Location Date/Time Deaths & Property & Event Type and Details Injuries Crop Dmg

#### WISCONSIN, Southeast

(WI-Z056) SAUK, (WI-Z058) DODGE, (WI-Z062) IOWA, (WI-Z063) DANE, (WI-Z064) JEFFERSON, (WI-Z067) LAFAYETTE, (WI-Z068) GREEN, (WI-Z069) ROCK

01/07/10 00:00 CST 0 Winter Storm

01/08/10 00:00 CST 0

The only January 2010 winter storm of any consequence produced periods of moderate to heavy snow across most of south-central and southeast Wisconsin on January 7th. Total snow accumulations were mostly in the 6 to 12 inch range. This storm was the result of strong forcing associated with a vigorous upper-low that tracked from central lowa to east-central Illinois and then eastward. The storm had brisk northeast surface winds of 13 to 17 knots (15 to 20 mph) with gusts to 26 knots (30 mph) as the associated surface low deepened across north-central Illinois. This provided the low-level winds a long fetch over the relatively warmer open waters of Lake Michigan. Additionally, steep lapse rates and lake-induced CAPE between 250 and 280 J/kg, produced lake-effect snow bands that enhanced snow accumulations near the lake. Some wind gusts to 30 to 39 knots (35 to 45 mph) were reported along the Lake Michigan shoreline, resulting in snow drifts of 1 to 3 feet in height. Numerous vehicle spin-outs and accidents were reported across south-central and southeast Wisconsin. At least two people were hospitalized due to serious injuries suffered in vehicle accidents: one in Salem (Kenosha Co.) and the other one in the Town of Lyndon (Sheboygan Co.). Both are considered indirect injuries.

Maximum snow amounts in each county included 13.1" in Germantown (Washington Co.), 12.5" in Sturtevant (Racine Co.), 10.2" in Big Bend (Waukesha Co.), 10" in Elkhart Lake (Sheboygan Co.) and West Allis (Milwaukee Co.), 9.4" in Port Washington (Ozaukee Co.), 9.2" in Reedsburg (Sauk Co.), 8.6" in Horicon (Dodge Co.), 8.5" in Dodgeville (Iowa Co.) and Paddock Lake (Kenosha Co.), 8.4" in Argyle (Lafayette Co.), an estimated 8" in far west-central Green County and far east-central Walworth County, 7.9" in Milton (Rock Co.), an estimated 7.5" in far southwest Dane County, 7" in Watertown (Jefferson Co.) and Ashford (Fond du Lac Co.).

#### (WI-Z046) MARQUETTE, (WI-Z047) GREEN LAKE, (WI-Z057) COLUMBIA

01/07/10 00:00 CST 0 Winter Weather

01/08/10 00:00 CST 0

The winter storm that produced periods of moderate to heavy snow across most of south-central and southeast Wisconsin on January 7th, brought snow accumulations of 4 to 7 inches to portions of northern south-central Wisconsin. This storm was the result of strong forcing associated with a vigorous upper-low that tracked from central lowa to east-central Illinois and then eastward. The storm had brisk northeast surface winds of 13 to 17 knots (15 to 20 mph) with gusts to 26 knots (30 mph) as the associated surface low deepened across north-central Illinois. Numerous vehicle spin-outs and accidents were reported across south-central and southeast Wisconsin.

Maximum snow amounts in each county included 8.1" in Columbus (Columbia Co.) which fell over a greater than 24-hour period, 5.2" in Green Lake (Green Lake Co.) and 4.0" in Montello (Marquette Co.).

(WI-Z051) FOND DU LAC, (WI-Z052) SHEBOYGAN, (WI-Z059) WASHINGTON, (WI-Z060) OZAUKEE, (WI-Z065) WAUKESHA, (WI-Z066) MILWAUKEE, (WI-Z070) WALWORTH, (WI-Z071) RACINE, (WI-Z072) KENOSHA

01/07/10 04:00 CST 0 Winter Storm

01/08/10 03:00 CST 0

The only January 2010 winter storm of any consequence produced periods of moderate to heavy snow across most of south-central and southeast Wisconsin on January 7th. Total snow accumulations were mostly in the 6 to 12 inch range. This storm was the result of strong forcing associated with a vigorous upper-low that tracked from central lowa to east-central Illinois and then eastward. The storm had brisk northeast surface winds of 13 to 17 knots (15 to 20 mph) with gusts to 26 knots (30 mph) as the associated surface low deepened across north-central Illinois. This provided the low-level winds a long fetch over the relatively warmer open waters of Lake Michigan. Additionally, steep lapse rates and lake-induced CAPE between 250 and 280 J/kg, produced lake-effect snow bands that enhanced snow accumulations near the lake. Some wind gusts to 30 to 39 knots (35 to 45 mph) were reported along the Lake Michigan shoreline, resulting in snow drifts of 1 to 3 feet in height. Numerous vehicle spin-outs and accidents were reported across south-central and southeast Wisconsin. At least two people were hospitalized due to serious injuries suffered in vehicle accidents: one in Salem (Kenosha Co.) and the other one in the Town of Lyndon (Sheboygan Co.). Both are considered indirect injuries.

Maximum snow amounts in each county included 13.1" in Germantown (Washington Co.), 12.5" in Sturtevant (Racine Co.), 10.2" in Big Bend (Waukesha Co.), 10" in Elkhart Lake (Sheboygan Co.) and West Allis (Milwaukee Co.), 9.4" in Port Washington (Ozaukee Co.), 9.2" in Reedsburg (Sauk Co.), 8.6" in Horicon (Dodge Co.), 8.5" in Dodgeville (Iowa Co.) and Paddock Lake (Kenosha Co.), 8.4" in Argyle (Lafayette Co.), an estimated 8" in far west-central Green County and far east-central Walworth County, 7.9" in Milton (Rock Co.), an estimated 7.5" in far southwest Dane County, 7" in Watertown (Jefferson Co.) and Ashford (Fond du Lac Co.).

(WI-Z058) DODGE

01/19/10 10:00 CST 0 Dense Fog

01/19/10 16:00 CST 0

Page 1 of 52 Printed on: 02/10/2011

Location Date/Time Deaths & Property & Event Type and Details Injuries Crop Dmg

Surface high pressure building into Wisconsin brought clear skies and light winds to most of the state during the morning hours of January 19th. These conditions were favorable for the formation of dense fog across portions of southern Wisconsin. While dense fog was more widespread in southwest Wisconsin, there were pockets of dense fog over southeast and south-central Wisconsin.

One area of dense fog over southern Fond Du Lac County into central Dodge County contributed to an accident about 2 miles west of Waupun involving a car and a farm tractor pulling a wagon. The 56-year-old male driver of the car was killed in the accident. The Fond Du Lac County Sheriff's department, in a newspaper report about the accident, said low visibility contributed to the accident, but made no mention of freezing conditions being a factor. At the time of the accident, around 815 am CST, the Juneau Airport observation reported visibility of less than 1/4 mile in dense fog.

Page 2 of 52 Printed on: 02/10/2011

Location Date/Time Deaths & Property & Event Type and Details Injuries Crop Dmg

#### WISCONSIN, Southeast

(WI-Z046) MARQUETTE, (WI-Z047) GREEN LAKE, (WI-Z056) SAUK, (WI-Z057) COLUMBIA, (WI-Z062) IOWA, (WI-Z063) DANE, (WI-Z064) JEFFERSON, (WI-Z067) LAFAYETTE, (WI-Z068) GREEN, (WI-Z069) ROCK, (WI-Z070) WALWORTH

02/08/10 18:00 CST 0 Winter Weather

02/10/10 00:00 CST 0

A clipper-type low pressure system passing to the southwest and south of Wisconsin resulted in widespread snow across southern Wisconsin. A second low that had moved northeastward from Texas merged with the clipper system over western Ohio and deepened. This resulted in increasing northeast winds...and with a favorable fetch down Lake Michigan...produced lake enhanced snow that boosted snow totals over eastern Wisconsin.

South Central Wisconsin and a portion of Southeast Wisconsin received widespread 4 to 7 inches of snow...with 8 to 14 inches in southeast Wisconsin. Snow totals of 5 to 9 inches fell west of a line from western Fond Du Lac County near Ripon...through Hartford in Washington County...the city of Waukesha in Waukesha County...Union Grove in western Racine County to Silver Lake in western Kenosha County. The highest snow total from the advisory area was 7.3 inches from an observer 1 mile south of Mt. Horeb in Dane County...with 7 inches reported from observers in Sauk...Lafayette...Jefferson and Rock Counties...and 6.6 inches in East Troy in Walworth County.

Over 250 traffic crashes, spin-outs and collisions were reported. A tanker truck that rolled over in the westbound lanes of Interstate 39/90 near Edgerton in Rock County blocked the interstate with traffic detoured onto U.S. Highway 14.

(WI-Z051) FOND DU LAC, (WI-Z052) SHEBOYGAN, (WI-Z058) DODGE, (WI-Z059) WASHINGTON, (WI-Z060) OZAUKEE, (WI-Z065) WAUKESHA, (WI-Z066) MILWAUKEE, (WI-Z071) RACINE, (WI-Z072) KENOSHA

02/09/10 00:00 CST 0 Winter Storm

02/10/10 01:30 CST 0

A clipper-type low pressure system passing to the southwest and south of Wisconsin resulted in widespread snow across southern Wisconsin. A second low that had moved northeastward from Texas merged with the clipper system over western Ohio and deepened. This resulted in increasing northeast winds...and with a favorable fetch down Lake Michigan...produced lake enhanced snow that boosted snow totals over eastern Wisconsin.

South Central Wisconsin received widespread 4 to 7 inches of snow...with 8 to 14 inches in southeast Wisconsin. The heaviest snow of 10 to 14 inches fell along and east of a line from northwest Sheboygan County near Elkhart Lake...through Hartford in Washington County...the city of Waukesha in Waukesha County...Union Grove in western Racine County to Silver Lake in western Kenosha County. The highest snow total from the storm was 15.0 inches from an observer 1 mile northwest of Belgium in Ozaukee County...with 13.7 inches from an observer 4 miles southwest of Muskego in Waukesha County...13.4 inches in West Allis in Milwaukee County...13.3 inches reported by an observer 6 miles northwest of the city of Kenosha...and 13.1 inches at Hingham in Sheboygan County.

Over 250 traffic crashes, spin-outs and collisions were reported. A tanker truck that rolled over in the westbound lanes of Interstate 39/90 near Edgerton in Rock County blocked the interstate with traffic detoured onto U.S. Highway 14.

One fatality related to the storm occurred in Milwaukee County, where a 73-year old man with a history of heart problems died shortly after shoveling snow.

(WI-Z066) MILWAUKEE, (WI-Z071) RACINE, (WI-Z072) KENOSHA

02/24/10 12:00 CST 0 Winter Weather

02/24/10 23:00 CST 0

An upper level low crossing the Great Lakes region developed an associated surface low that moved over southern portions of Lake Michigan. Low level convergence combined with steep mid level lapse rates to produce persistent lake-effect bands of snow that moved south along the western shores of Lake Michigan.

The lake-effect snow totaled 3 to 5 inches from Milwaukee County south through eastern portions of Racine and Kenosha counties. The highest amount reported was 4.5 inches in Kenosha...with 4.2 inches 4 miles southwest of Kenosha...and 4.0 inches in West Allis in Milwaukee County.

Page 3 of 52 Printed on: 02/10/2011

Date/Time Deaths & **Event Type and Details** Location Property & Injuries Crop Dma WISCONSIN, Southeast (WI-Z059) WASHINGTON 03/03/10 03:00 CST 0 Cold/Wind Chill 03/03/10 08:00 CST Direct Fatalities: M58OU Colder than normal early March weather in southeastern Wisconsin played a role in a hypothermia death of a man in the West Bend area of Washington County. The man was found frozen on the ground outside his residence during the early morning hours of March 3rd with air temperatures in the teens and a light northwest wind of 3 to 5 knots (3 to 6 mph). Normal lows at this time of the year are around 22. The previous day's maximum temperatures were around 32, which was about 5 degrees below normal. The medical examiner indicated that although hypothermia was the direct cause of death, this individual also had a heart valve problem and a fatty liver. (WI-Z056) SAUK, (WI-Z057) COLUMBIA, (WI-Z062) IOWA, (WI-Z063) DANE, (WI-Z064) JEFFERSON, (WI-Z065) WAUKESHA, (WI-Z067) LAFAYETTE, (WI-Z068) GREEN, (WI-Z069) ROCK, (WI-Z070) WALWORTH, (WI-Z071) RACINE, (WI-Z072) KENOSHA 03/07/10 23:00 CST Dense Fog 03/08/10 11:00 CST 0 Clearing skies, calm wind, and recent rain and snowmelt resulted in a classic dense fog episode across parts of south-central and southeast Wisconsin. Visibilities dropped to several hundreds of yards to less than 1/4 mile. Several airplane flights were delayed at airports. Newspaper reports indicated that several vehicle accidents occurred. (WI-Z046) MARQUETTE, (WI-Z047) GREEN LAKE, (WI-Z051) FOND DU LAC, (WI-Z052) SHEBOYGAN, (WI-Z056) SAUK, (WI-Z057) COLUMBIA, (WI-Z058) DODGE, (WI-Z059) WASHINGTON, (WI-Z060) OZAUKEE 03/10/10 09:00 CST Dense Fog 03/13/10 03:00 CST n Several periods of dense fog affected south-central and southeast Wisconsin for 2 to 3 days thanks to recent rains and snowmelt saturating the lower atmosphere. At times visibilities were reduced to 1/16 of a mile or less, and in some cases down to 50 to 100 feet. Some vehicle drivers indicated that driving through the fog was downright scary or dangerous. A good number of airplane flights were delayed, and some were canceled, at the larger airports. One spotter 5 miles southeast of downtown Madison (Dane Co.) noted that the visibility was the worst he has seen in many years and he could barely see 2 or 3 houses away. Newspaper reports indicated that several vehicle accidents occurred. (WI-Z062) IOWA, (WI-Z063) DANE, (WI-Z064) JEFFERSON, (WI-Z065) WAUKESHA, (WI-Z066) MILWAUKEE, (WI-Z067) LAFAYETTE, (WI-Z068) GREEN, (WI-Z069) ROCK, (WI-Z070) WALWORTH, (WI-Z071) RACINE, (WI-Z072) KENOSHA 03/10/10 09:00 CST Dense Fog 03/12/10 02:00 CST n Several periods of dense fog affected south-central and southeast Wisconsin for 2 to 3 days thanks to recent rains and snowmelt saturating the lower atmosphere. At times visibilities were reduced to 1/16 of a mile or less, and in some cases down to 50 to 100 feet. Some vehicle drivers indicated that driving through the fog was downright scary or dangerous. A good number of airplane flights were delayed, and some were canceled, at the larger airports. One spotter 5 miles southeast of downtown Madison (Dane Co.) noted that the visibility was the worst he has seen in many years and he could barely see 2 or 3 houses away. Newspaper reports indicated that several vehicle accidents occurred. (WI-Z062) IOWA, (WI-Z063) DANE, (WI-Z064) JEFFERSON, (WI-Z065) WAUKESHA, (WI-Z066) MILWAUKEE, (WI-Z067) LAFAYETTE, (WI-Z068) GREEN, (WI-Z069) ROCK, (WI-Z070) WALWORTH, (WI-Z071) RACINE, (WI-Z072) KENOSHA 03/19/10 20:00 CST Winter Weather n 03/20/10 16:00 CST

A typical winter weather event deposited 1 to 4 inches of snow across southern Wisconsin overnight March 19th into the morning hours of March 20th. The snow had a snow:water ratio of 10 to 1 to 12 to 1. Although not much of the snow accumulated on road surfaces it did accumulate and become icy on bridges and highway overpasses. This led to several vehicle accidents. One bridge on Interstate 39-90 about 6 miles south of Janesville became very icy by 0530 CST on March 20th. This resulted in 3 seperate vehicle accidents within 20 minutes. A total of seven (7) people were injured, and after the 3rd accident the Interstate was closed for 90 minutes and traffic detoured. The snow was a result of a band of convergence over Wisconsin in the mid-ldevel of the atmosphere which squeezed out

what moisture was left in the wake of a departing cold front.

Page 4 of 52 Printed on: 02/10/2011

Location Date/Time Deaths & Property & Event Type and Details Injuries Crop Dmg

Page 5 of 52 Printed on: 02/10/2011

	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
AKE MICHIGAN				
WIND PT LT WI TO WINTHROP HBR IL COUNTY	' 1.2 ENE KENOSHA [42.5 04/05/10 21:30 CST	59, -87.81]	0	Marine Thunderstorm Wind (MG 34 kt)
	04/05/10 21:30 CST		0	Source: C-MAN Station
An isolated but strong thunderstorm moved over	er the nearshore waters of L	ake Michigan pro	ducing isolated st	rong wind gusts.
PT WASHINGTON TO NORTH PT LT WI COUNT	V A 6 N DODT WASHINGT	ON [42 20 07 07]		
FI WASHINGTON TO NORTH FI ET WI COUNT	04/06/10 20:30 CST	ON [43.39, -07.07]	0	Marine Thunderstorm Wind (MG 34 kt)
	04/06/10 20:30 CST		0	Source: C-MAN Station
SHEBOYGAN TO PT WASHINGTON WI COUNTY	/ 1.4 E SHEBOYGAN [43.7	75, -87.69]		
	04/06/10 20:57 CST		0	Marine Thunderstorm Wind (MG 35 kt)
	04/06/10 20:57 CST		0	Source: C-MAN Station
WISCONSIN, Southeast				
(WI-Z069) ROCK	04/02/10 09:00 CST		1K	Strong Wind (MAY 42 l/t)
	04/02/10 16:00 CST	1	0	Strong Wind (MAX 43 kt)
and Hart Rd. The diver was injured, and his cycabout 5000 feet above ground level were about	40 to 50 knots at the time of	. This occurred at the accident. Da		east of Beloit. The winds
and Hart Rd. The diver was injured, and his cyc about 5000 feet above ground level were about atmosphere allowed some of the higher momen	40 to 50 knots at the time of tum air to mix down to the s	. This occurred at the accident. Da	out 4 miles north	east of Beloit. The winds
and Hart Rd. The diver was injured, and his cyc about 5000 feet above ground level were about atmosphere allowed some of the higher momen	40 to 50 knots at the time of tum air to mix down to the s	. This occurred at the accident. Da	out 4 miles northo	east of Beloit. The winds mixing of the lower
and Hart Rd. The diver was injured, and his cyc about 5000 feet above ground level were about atmosphere allowed some of the higher momen _AFAYETTE COUNTY SHULLSBURG [42.57,	40 to 50 knots at the time of atum air to mix down to the s  -90.23] 04/05/10 22:20 CST	. This occurred at the accident. Da	out 4 miles north ytime heating and 0	east of Beloit. The winds mixing of the lower  Hail (0.88 in)
and Hart Rd. The diver was injured, and his cyclebout 5000 feet above ground level were about atmosphere allowed some of the higher moment.  LAFAYETTE COUNTY SHULLSBURG [42.57, Shullsburg Fire Dept. reported 7/8" hail.	40 to 50 knots at the time of atum air to mix down to the s  -90.23] 04/05/10 22:20 CST 04/05/10 22:20 CST	. This occurred at the accident. Da	out 4 miles north ytime heating and 0 0	east of Beloit. The winds mixing of the lower  Hail (0.88 in) Source: Fire Department/Rescue
and Hart Rd. The diver was injured, and his cyclebout 5000 feet above ground level were about atmosphere allowed some of the higher momental LAFAYETTE COUNTY SHULLSBURG [42.57, Shullsburg Fire Dept. reported 7/8" hail.	40 to 50 knots at the time of atum air to mix down to the s  -90.23] 04/05/10 22:20 CST 04/05/10 22:20 CST	. This occurred at the accident. Da	out 4 miles northytime heating and  0 0	Hail (0.75 in)
and Hart Rd. The diver was injured, and his cyclebout 5000 feet above ground level were about atmosphere allowed some of the higher moment.  LAFAYETTE COUNTY SHULLSBURG [42.57, Shullsburg Fire Dept. reported 7/8" hail.	40 to 50 knots at the time of atum air to mix down to the s  -90.23] 04/05/10 22:20 CST 04/05/10 22:20 CST	. This occurred at the accident. Da	out 4 miles north ytime heating and 0 0	east of Beloit. The winds mixing of the lower  Hail (0.88 in) Source: Fire Department/Rescue
and Hart Rd. The diver was injured, and his cyclebout 5000 feet above ground level were about atmosphere allowed some of the higher momental LAFAYETTE COUNTY SHULLSBURG [42.57, Shullsburg Fire Dept. reported 7/8" hail.	40 to 50 knots at the time of atum air to mix down to the s  -90.23] 04/05/10 22:20 CST 04/05/10 22:20 CST	. This occurred at the accident. Da	out 4 miles northytime heating and  0 0	Hail (0.75 in)
and Hart Rd. The diver was injured, and his cyclabout 5000 feet above ground level were about atmosphere allowed some of the higher moment LAFAYETTE COUNTY SHULLSBURG [42.57, Shullsburg Fire Dept. reported 7/8" hail.  DODGE COUNTY REESEVILLE [43.30, -88.83]  Law enforcement reported 3/4" hail.  DODGE COUNTY LOWELL [43.33, -88.80]	40 to 50 knots at the time of atum air to mix down to the s  -90.23] 04/05/10 22:20 CST 04/05/10 22:20 CST	. This occurred at the accident. Da	out 4 miles northytime heating and  0 0	Hail (0.75 in)
and Hart Rd. The diver was injured, and his cyclabout 5000 feet above ground level were about atmosphere allowed some of the higher moment LAFAYETTE COUNTY SHULLSBURG [42.57, Shullsburg Fire Dept. reported 7/8" hail.  DODGE COUNTY REESEVILLE [43.30, -88.83]  Law enforcement reported 3/4" hail.	40 to 50 knots at the time of atum air to mix down to the series of the	. This occurred at the accident. Da	out 4 miles northytime heating and  0 0 0	Hail (0.75 in) Source: Law Enforcement
and Hart Rd. The diver was injured, and his cyclabout 5000 feet above ground level were about atmosphere allowed some of the higher moment.  LAFAYETTE COUNTY SHULLSBURG [42.57, Shullsburg Fire Dept. reported 7/8" hail.  DODGE COUNTY REESEVILLE [43.30, -88.83]  Law enforcement reported 3/4" hail.	40 to 50 knots at the time of stum air to mix down to the se90.23] 04/05/10 22:20 CST 04/05/10 22:20 CST  04/06/10 19:55 CST 04/06/10 19:55 CST	. This occurred at the accident. Da	out 4 miles northytime heating and  0 0 0	Hail (0.88 in) Source: Fire Department/Rescue  Hail (0.75 in) Source: Law Enforcement  Hail (0.88 in)
and Hart Rd. The diver was injured, and his cyclabout 5000 feet above ground level were about atmosphere allowed some of the higher moment.  LAFAYETTE COUNTY SHULLSBURG [42.57, Shullsburg Fire Dept. reported 7/8" hail.  DODGE COUNTY REESEVILLE [43.30, -88.83]  Law enforcement reported 3/4" hail.  DODGE COUNTY LOWELL [43.33, -88.80]  A trained spotter reported 7/8" hail.  A complex synoptic environment set up in sout stalled just south of the Wisconsin-Illinois bord significant risk of damaging hail and strong win area of Wisconsin bringing another round of str deep shear and elevated instability lead to an nade of the wisconsin bringing another round of str deep shear and elevated instability lead to an nade of the wisconsin bringing another round of str deep shear and elevated instability lead to an nade of the wisconsin bringing another round of str deep shear and elevated instability lead to an nade of the wisconsin bringing another round of str deep shear and elevated instability lead to an nade of the wisconsin bringing another round of str deep shear and elevated instability lead to an nade of the wisconsin bringing another round of str	40 to 50 knots at the time of a turn air to mix down to the section air to mix down	This occurred all the accident. Day surface.  Devernight hours are evated convection 6 April, remnants the of the surface ing thunderstorms.	out 4 miles northytime heating and  0 0 0 0 0 was driven by a vof an MCS tracked warm front. Finally	Hail (0.88 in) Source: Fire Department/Rescue  Hail (0.75 in) Source: Law Enforcement  Hail (0.88 in) Source: Trained Spotter  of 5-6 April. A warm front rigorous LLJ bringing a lover the same southern y, during the evening,
and Hart Rd. The diver was injured, and his cyclabout 5000 feet above ground level were about atmosphere allowed some of the higher moment LAFAYETTE COUNTY SHULLSBURG [42.57, Shullsburg Fire Dept. reported 7/8" hail.  DODGE COUNTY REESEVILLE [43.30, -88.83]  Law enforcement reported 3/4" hail.	40 to 50 knots at the time of atum air to mix down to the statum air to mix down air to the statum air to mix down air to the statum air to mix down air to the statum air to the st	This occurred all the accident. Day surface.  Devernight hours are evated convection 6 April, remnants the of the surface ing thunderstorms.	out 4 miles northytime heating and  0 0 0 0 0 was driven by a vof an MCS tracked warm front. Finally were able to devo	Hail (0.88 in) Source: Fire Department/Rescue  Hail (0.75 in) Source: Law Enforcement  Hail (0.88 in) Source: Trained Spotter  of 5-6 April. A warm front rigorous LLJ bringing a lover the same southern y, during the evening, elop and race across
and Hart Rd. The diver was injured, and his cyclabout 5000 feet above ground level were about atmosphere allowed some of the higher moment.  LAFAYETTE COUNTY SHULLSBURG [42.57, Shullsburg Fire Dept. reported 7/8" hail.  DODGE COUNTY REESEVILLE [43.30, -88.83]  Law enforcement reported 3/4" hail.  DODGE COUNTY LOWELL [43.33, -88.80]  A trained spotter reported 7/8" hail.  A complex synoptic enviornment set up in sout stalled just south of the Wisconsin-Illinois bord significant risk of damaging hail and strong win area of Wisconsin bringing another round of str deep shear and elevated instability lead to an nasouthern Wisconsin yet again. The main threats	40 to 50 knots at the time of atum air to mix down to the section air to mix down to	This occurred all the accident. Day surface.  Devernight hours are evated convection 6 April, remnants the of the surface ing thunderstorms	out 4 miles northytime heating and  0 0 0 0 0 was driven by a vof an MCS tracked warm front. Finally	Hail (0.88 in) Source: Fire Department/Rescue  Hail (0.75 in) Source: Law Enforcement  Hail (0.88 in) Source: Trained Spotter  of 5-6 April. A warm front rigorous LLJ bringing a lover the same southern y, during the evening,

Page 6 of 52 Printed on: 02/10/2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
GREEN LAKE COUNTY 3.3 SSE BE	ERLIN [43.92, -88.91], 2.5 SE BERLIN [4	13.95, -88.89]	0.4014	T   1 (554   1 0 00   1 W 400   1)
	04/30/10 18:00 CST 04/30/10 18:02 CST		0.13M 0	Tornado (EF1, L: 2.00 mi , W: 100 yd) Source: Emergency Manager
ntersection of CTH V and White Ridge napped. A few trees were uprooted in nrown over 100 yards into a nearby fie ras damage to the facia of a home. A	Rd. The average path width was 60 yan acluding one that fell on and damaged a ld. A portable toilet was moved about 5 small shed was destroyed and a couch	rds. A damage su car. There was m 50 feet. Near the e that was outdoors	rvey noted seven had not not not a seven had of the track, a The was thrown about	to a barn. Several small barrels were
MARQUETTE COUNTY 2.0 SE GLE	NOAK [43.73, -89.30], 4.3 E GLENOAK	[43.76, -89.25]		
	04/30/10 18:15 CST		0	Tornado (EF0, L: 2.97 mi , W: 50 yd)
	04/30/10 18:19 CST		0	Source: NWS Storm Survey
egment that occurred in Marquette Co	g thunderstorms with embedded circula bunty. This tornado ultimately ended at NOAK [43.71, -89.28], 4.5 ESE GLENO 04/30/10 18:15 CST	1824 CST in Marq	uette County.	
	04/30/10 18:15 CST 04/30/10 18:17 CST		0	Tornado (EF0, L: 2.05 mi , W: 50 yd) Source: NWS Storm Survey
ntersection of CTY B and 16th Rd. and damaged or partially uprooted. There wand DOD 2, 65-70 mph, after a NWS somoving northeast. Refer to the secon	ually dissipated on the north shore of Put exited Marquette County roughly 2 mile was no other structural damage. The averyor the responsible thunderstorm with diseasement that continue into Green Lake ALTON [43.73, -89.25], 5.3 SSW PRINC 04/30/10 18:17 CST	es to the northeast werage path width was the sourthern of the County.	in the middle of th was 35 yards. The f two parallel-movin	e Grand River. Several trees were EF0 rating was based on DI 27 (TH),
	04/30/10 18:23 CST		0	Source: NWS Storm Survey
County about 6 miles northwest of Dalt and came ashore just east of the corne average path width was 35 yards. The	ounty was the 2nd of a 2-segment torna on at the mid-point of the wide part of the or of Marquette County near a boat laund EF0 rating was based on DI 27 (TH), a ng storms with embedded circulations.	ne Grand River and ch site. A few tree nd DOD 2, 65-70 r	d continued to moves s had broken brand mph, after a NWS s	e northeast. It crossed Pukaway Lake ches or were partially uprooted. The survey. The responsible thunderstorm
GREEN LAKE COUNTY 7.5 WNW K	(INGSTON [43.76, -89.25], 7.2 NW KING 04/30/10 18:19 CST	GSTON [43.77, -89	. <b>23]</b> 0	Tornado (EF0, L: 1.10 mi , W: 50 yd)
	04/30/10 18:20 CST		0	Source: NWS Employee
tarted about 1 mile north of where the wamp conditions along the path. How lamage along this 2nd segment. The avas: DI 27 (TH), DOD 3, 75-80 mph. T	ent was the 2nd of a 3-segment tornador. Fox River enters Green Lake County, a ever, ths tornado was seen by people n average path width in this 2nd segment This tornado exited Green Lake County Fern Dr. and 22nd Ln at 1824 CST. Re	and moved northea ear Princeton in G was estimated at a over the far northw	ist. A survey of this reen . It is assume 30 yards. The dam rest corner of Puka	ed that there was minor vegetative age indicator used to rate this segment way Lake and re-entered Marquette
MARQUETTE COUNTY 5.1 ESE MO	ONTELLO [43.77, -89.23]. 6.9 SSE GERI	MANIA [43.8089	.18]	
MARQUETTE COUNTY 5.1 ESE MC	ONTELLO [43.77, -89.23], 6.9 SSE GERI 04/30/10 18:20 CST	MANIA [43.80, -89	. <b>18]</b> 0	Tornado (EF0, L: 3.18 mi , W: 50 yd)

had broken branches or were partially uprooted. It ended near Fern Dr. and 22nd Ln at 1824 CST. The average path width in this 3rd segment was estimated at 30 yards. The damage indicator used to rate this segment was: DI 27 (TH), DOD 3, 75-80 mph. Refer to the associated Green Lake County and Marquette County segments for other details.

This Marquette County tornado segment was the 3rd of a 3-segment tornado that initially started in Marquette County at 1815 CST and then crossed Green Lake County and re-entered Marquette County. It re-entered just southwest of the intersection of CTH C and 20th Ct. and moved northeast. Several trees

04/30/10 18:24 CST

Page 7 of 52 02/10/2011 Printed on:

0

Source: NWS Storm Survey

Location Date/Time Deaths & Property & Event Type and Details Injuries Crop Dmg

Parts of southeast Wisconsin lay within the warm sector of a mid-latitude cyclone for much of the day with persistent southerly winds blowing ahead of a cold front draped from western lowa through the Texas panhandle. As the front pushed across southwest Wisconsin, moderate CAPE and strong shear were present and two lines of thunderstorms developed, with the second of these lines producing three weak tornadoes. One inch diameter hail was also reported in association with the second line of thunderstorms.

Page 8 of 52 Printed on: 02/10/2011

Date/Time Location Deaths & **Event Type and Details** Property & Injuries Crop Dma

#### WISCONSIN, Southeast

(WI-Z046) MARQUETTE, (WI-Z047) GREEN LAKE, (WI-Z051) FOND DU LAC, (WI-Z052) SHEBOYGAN, (WI-Z056) SAUK, (WI-Z057) COLUMBIA, (WI-Z058) DODGE, (WI-Z059) WASHINGTON, (WI-Z060) OZAUKEE, (WI-Z062) IOWA, (WI-Z063) DANE, (WI-Z064) JEFFERSON, (WI-Z065) WAUKESHA, (WI-Z066) MILWAUKEE, (WI-Z067) LAFAYETTE, (WI-Z068) GREEN, (WI-Z069) ROCK, (WI-Z070) WALWORTH, (WI-Z071) RACINE, (WI-Z072) KENOSHA

05/05/10 13:00 CST

0.24M n

Strong Wind (MAX 45 kt)

05/05/10 18:00 CST

3

Strong southwest to west winds affected all of south-central and southeast Wisconsin on May 5th. Maximum wind gusts were 39 to 45 knots (45 to 52 mph). Small trees were knocked down or tree limbs were broken. Some of these fell on power-lines resulting in scattered power outages, especially in the counties of Green Lake and Columbia. The strong winds were generated by a deepening low pressure over Lake Superior moving eastward. The atmosphere mixed all the way up to 8 to 10 thousand feet above the ground which allowed for the mixing down of higher momentum air to the surface. The strong winds affected the nearshore waters of Lake Michigan east of Sheboygan to Kenosha, but no damage was reported.

Three Fitchburg (Dane Co.) police officers were injured (direct injury) when they were hit by an 8-foot-by-8-foot section of wall that was wind-blown off a trailer being used for training purposes. In the Township of Albion (southeast Dane Co.) a man-made debris fire got out of control when the wind pushed the flames onto a nearby barn. The barn and contents were a total loss. Inside the barn were stored 5 boats, 3 classic cars, farm machinery, and tools. The barn and contents loss (estimated at \$300,00) would be indirectly related to this strong wind event. Consequently, the \$300K in damage is not part of the \$240K in property damage listed in the header strip of this strong wind event. Elsewhere, it was assumed that there were at least a couple power-lines down in each county listed in this event (loss of \$10K), and damage amounts are estimated.

(WI-Z052) SHEBOYGAN, (WI-Z060) OZAUKEE, (WI-Z066) MILWAUKEE, (WI-Z071) RACINE, (WI-Z072) KENOSHA

05/21/10 08:00 CST

0

Dense Fog

05/22/10 08:00 CST

0

Dense fog developed over southeast Wiscosnin along the Lake Michigan thanks to a cool, moist southeast flow from over the lake. Light rain occurred prior to the dense fog. Visibilities were reduced to 1/8 to 1/4 mile. Airplane flights were delayed at Milwaukee Mitchell Field.

(WI-Z046) MARQUETTE, (WI-Z047) GREEN LAKE, (WI-Z051) FOND DU LAC, (WI-Z056) SAUK, (WI-Z057) COLUMBIA, (WI-Z058) DODGE, (WI-Z059) WASHINGTON, (WI-Z062) IOWA, (WI-Z063) DANE, (WI-Z064) JEFFERSON, (WI-Z065) WAUKESHA, (WI-Z067) LAFAYETTE, (WI-Z068) GREEN, (WI-Z069) ROCK, (WI-Z070) WALWORTH

05/21/10 21:00 CST

0 0 Dense Fog

05/22/10 08:00 CST

Dense fog developed over southeast Wiscosnin along the Lake Michigan thanks to a cool, moist southeast flow from over the lake. Light rain occurred prior to the dense fog. Visibilities were reduced to 1/8 to 1/4 mile. Airplane flights were delayed at Madison Truax Field.

DANE COUNTY --- 2.0 W MADISON MOREY ARPT [43.12, -89.57]

05/25/10 07:45 CST

20K

Lightning

05/25/10 07:45 CST

0

Source: Newspaper

Lightning struck a house and caused a fire.

GREEN COUNTY --- ALBANY [42.70, -89.43]

05/25/10 14:28 CST

0

Thunderstorm Wind (EG 56 kt)

05/25/10 14:28 CST

0

Source: Law Enforcement

Powerful thunderstorm winds gusts to an estimated 65 mph downed several trees. Not related to this wind event, but in the Juda area water covered County Highway OK (only a few inches) southeast of Juda thanks to about 1.5 inches of rain in a short period of time. Just north of Brodhead water covered County Highway E (only a few inches) thanks to similar rainfall amount. No damage was reported, therefore no flood event was entered into Storm Data for Green County

SHEBOYGAN COUNTY --- ELKHART LAKE [43.83, -88.02], 2.0 S ELKHART LAKE [43.80, -88.02]

05/26/10 17:05 CST

75K

Thunderstorm Wind (EG 65 kt)

05/26/10 17:10 CST

0

Source: Emergency Manager

Page 9 of 52 Printed on: 02/10/2011

Location Date/Time Deaths & Property & Event Type and Details Injuries Crop Dmg

Powerful thunderstorm winds toppled about three dozen large trees and resultant tree debris knocked down at least a dozen to two dozen power-lines. About 800 customers lost electrical power, but by 2200 CST all power was restored. One light pole was knocked down at Lincoln St. and Rhine St. in the Elkhart Lake area. One tree fell onto an automobile at the Osthoff Resort near Elkhart Lake and damaged it.

SHEBOYGAN COUNTY --- 0.9 E PLYMOUTH [43.75, -87.96]

05/26/10 17:41 CST 5K Lightning

05/26/10 17:41 CST 0 Source: Newspaper

Lightning stuck an underground power cable in the 300 block of N. Highland Ave. in Plymouth. About 300 customers lost power for about 2.5 hours.

SHEBOYGAN COUNTY --- 2.8 WNW SHEBOYGAN CO MEM ARP [43.79, -87.90]

05/26/10 17:49 CST 20K Lightning

05/26/10 17:49 CST 0 Source: Newspaper

Lightning struck and damaged an electrical overhead system on a line just south of the intersection of County Highways J and M. About 500 customers were without power for about 4 hours.

KENOSHA COUNTY --- 1.3 E PADDOCK LAKE [42.58, -88.09]

05/26/10 20:30 CST 15K Lightning

05/26/10 20:30 CST 0 Source: Newspaper

A home in the Village of Salem experienced a smoldering fire in the attic after lightning struck nearby power lines and followed the lines into the house. The insulation on the home's electrical lines was burned off. The time of this event is estimated based on radar and forecast products tracking the thunderstorms that produced the lightning.

A weakly sheared environment with modest CAPE values and high precipitable water values lead to periods of slow-moving, yet relatively strong, thunderstorms to slowly drift southward over parts of south-central and southeast Wisconsin between the morning of 25 May and through the evening of 26 May. Main hazards with these storms were severe wind gusts and high rainfall rates.

ROCK COUNTY 5.0 NNE FOOTVILLE [42.74, -89.16]						
	05/31/10 02:45 CST	0	Hail (1.00 in)			
	05/31/10 02:45 CST	0	Source: Public			
ROCK COUNTY MILTON [42.77, -88.9	-					
	05/31/10 03:15 CST	0	Hail (1.00 in)			
	05/31/10 03:15 CST	0	Source: Law Enforcement			

A large and intense thunderstorm formed out ahead of a cold front which extended from Port Washington (Ozaukee County) through eastern Jefferson County. The thunderstorm produced large hail in the early morning hours.

Page 10 of 52 Printed on: 02/10/2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
AKE MICHIGAN				
WIND PT LT WI TO WINTHROP HBR	L COUNTY 1.2 ENE KENOSHA [42.	59, -87.81]		
	06/18/10 15:30 CST		0	Marine Thunderstorm Wind (MG 42 kt)
	06/18/10 15:30 CST		0	Source: C-MAN Station
NORTH PT LT TO WIND PT WI COUN	TY 3.5 SE NORTH POINT LTHOUSE	[43.0587.88]		
	06/18/10 16:00 CST		0	Marine Thunderstorm Wind (EG 35 kt)
	06/18/10 16:00 CST		0	Source: Trained Spotter
A line of severe thunderstorms moved multiple sources along the lakeshore.	across the Milwaukee Harbor and vicini	ity lakeshore area p	producing strong w	ind gusts. No damage was reported by
•	s moved east-northeast across far sou wing structure, which was an indicate		•	earshore waters of Lake
WIND PT LT WI TO WINTHROP HBR I	L COUNTY 3.6 E WIND POINT [42.7	8, -87.76]		
	06/21/10 21:15 CST		0	Marine Thunderstorm Wind (EG 43 kt)
	06/21/10 21:15 CST		0	Source: Public
Wind Point lighthouse keeper estimate	d wind gust of 43 knots with line of thun	derstorms.		
NORTH PT LT TO WIND PT WI COUN	TY 3.3 SE NORTH POINT LTHOUSE	[43.04, -87.89]		
NORTH PT LT TO WIND PT WI COUN	TY 3.3 SE NORTH POINT LTHOUSE 06/21/10 21:20 CST	[43.04, -87.89]	0	Marine Thunderstorm Wind (MG 46 kt)
			0	Source: Mariner
Intense thunderstorms affected the L that produced tornadoes and damagi	06/21/10 21:20 CST 06/21/10 21:20 CST	ning on June 21st	0 These were the	Source: Mariner
Intense thunderstorms affected the L that produced tornadoes and damagi WISCONSIN, Southeast	06/21/10 21:20 CST 06/21/10 21:20 CST  ake Michigan shoreline late in the eve ing downburst winds in south-central	ning on June 21st	0 These were the	Source: Mariner
Intense thunderstorms affected the L that produced tornadoes and damagi WISCONSIN, Southeast	06/21/10 21:20 CST 06/21/10 21:20 CST  ake Michigan shoreline late in the eve ing downburst winds in south-central	ning on June 21st	0 . These were the sconsin.	Source: Mariner same thunderstorms
intense thunderstorms affected the L that produced tornadoes and damagi WISCONSIN, Southeast	06/21/10 21:20 CST 06/21/10 21:20 CST  ake Michigan shoreline late in the eve ing downburst winds in south-central	ning on June 21st	0 These were the	Source: Mariner
wisconsin, Southeast	06/21/10 21:20 CST 06/21/10 21:20 CST ake Michigan shoreline late in the eve ing downburst winds in south-central [43.27, -89.78] 06/02/10 15:30 CST 06/02/10 15:30 CST	ning on June 21st	0 These were the sconsin.	Source: Mariner same thunderstorms  Hail (1.00 in)
Intense thunderstorms affected the L that produced tornadoes and damagi WISCONSIN, Southeast SAUK COUNTY 2.5 W SAUK CITY	06/21/10 21:20 CST 06/21/10 21:20 CST ake Michigan shoreline late in the eve ing downburst winds in south-central [43.27, -89.78] 06/02/10 15:30 CST 06/02/10 15:30 CST	ning on June 21st	0 These were the sconsin.	Source: Mariner same thunderstorms  Hail (1.00 in) Source: Law Enforcement
Intense thunderstorms affected the L	06/21/10 21:20 CST 06/21/10 21:20 CST ake Michigan shoreline late in the eve ing downburst winds in south-central [43.27, -89.78] 06/02/10 15:30 CST 06/02/10 15:30 CST	ning on June 21st	0 These were the sconsin.	Source: Mariner same thunderstorms  Hail (1.00 in)
Intense thunderstorms affected the L that produced tornadoes and damagi  WISCONSIN, Southeast  SAUK COUNTY 2.5 W SAUK CITY  DANE COUNTY 3.0 SSW NORTH E	06/21/10 21:20 CST 06/21/10 21:20 CST  ake Michigan shoreline late in the eve ing downburst winds in south-central  [43.27, -89.78] 06/02/10 15:30 CST 06/02/10 15:30 CST	ening on June 21st	0 These were the sconsin.	Source: Mariner same thunderstorms  Hail (1.00 in) Source: Law Enforcement  Lightning Source: Newspaper
Intense thunderstorms affected the L that produced tornadoes and damagi WISCONSIN, Southeast SAUK COUNTY 2.5 W SAUK CITY DANE COUNTY 3.0 SSW NORTH E	06/21/10 21:20 CST 06/21/10 21:20 CST  ake Michigan shoreline late in the ever ing downburst winds in south-central in the ever ing downburst winds in the ever in	ening on June 21st and southeast Wis	0 c. These were the sconsin.	Source: Mariner same thunderstorms  Hail (1.00 in) Source: Law Enforcement  Lightning Source: Newspaper
Intense thunderstorms affected the L that produced tornadoes and damagi WISCONSIN, Southeast SAUK COUNTY 2.5 W SAUK CITY DANE COUNTY 3.0 SSW NORTH E	06/21/10 21:20 CST 06/21/10 21:20 CST  ake Michigan shoreline late in the eve ing downburst winds in south-central  [43.27, -89.78] 06/02/10 15:30 CST 06/02/10 15:30 CST  06/02/10 16:20 CST 06/02/10 16:20 CST 06/02/10 16:20 CST aged areas of the second floor and attic  [43.09, -89.07], DEERFIELD [43.05, -89	ening on June 21st and southeast Wis	0 c. These were the sconsin.  0 0 0 30K 0 3600 block of Wyno	Source: Mariner  same thunderstorms  Hail (1.00 in) Source: Law Enforcement  Lightning Source: Newspaper dwood Way in the Town of Bristol.
Intense thunderstorms affected the L that produced tornadoes and damagi WISCONSIN, Southeast SAUK COUNTY 2.5 W SAUK CITY DANE COUNTY 3.0 SSW NORTH E	06/21/10 21:20 CST 06/21/10 21:20 CST  ake Michigan shoreline late in the eve ing downburst winds in south-central  [43.27, -89.78] 06/02/10 15:30 CST 06/02/10 15:30 CST  06/02/10 16:20 CST 06/02/10 16:20 CST  06/02/10 16:20 CST  aged areas of the second floor and attic  [43.09, -89.07], DEERFIELD [43.05, -89 06/02/10 16:23 CST	ening on June 21st and southeast Wis	0  These were the sconsin.  0 0 0 30K 0 3600 block of Wynd	Source: Mariner  same thunderstorms  Hail (1.00 in) Source: Law Enforcement  Lightning Source: Newspaper dwood Way in the Town of Bristol.  Hail (0.75 in)
Intense thunderstorms affected the L that produced tornadoes and damagi WISCONSIN, Southeast SAUK COUNTY 2.5 W SAUK CITY DANE COUNTY 3.0 SSW NORTH E	06/21/10 21:20 CST 06/21/10 21:20 CST  ake Michigan shoreline late in the eve ing downburst winds in south-central  [43.27, -89.78] 06/02/10 15:30 CST 06/02/10 15:30 CST  06/02/10 16:20 CST 06/02/10 16:20 CST 06/02/10 16:20 CST aged areas of the second floor and attic  [43.09, -89.07], DEERFIELD [43.05, -89	ening on June 21st and southeast Wis	0 c. These were the sconsin.  0 0 0 30K 0 3600 block of Wyno	Source: Mariner  same thunderstorms  Hail (1.00 in) Source: Law Enforcement  Lightning Source: Newspaper dwood Way in the Town of Bristol.
Intense thunderstorms affected the Lethat produced tornadoes and damaging wisconsin, Southeast  SAUK COUNTY 2.5 W SAUK CITY  DANE COUNTY 3.0 SSW NORTH E  A lightning strike ignited a fire that damaging to the county 3.0 N DEERFIELD	06/21/10 21:20 CST 06/21/10 21:20 CST .ake Michigan shoreline late in the eve ing downburst winds in south-central in the eve ing downburst winds in the eve ing downburst winds in the eve ing downburst winds in the eve ing	ening on June 21st and southeast Wis	0  These were the sconsin.  0 0 0 30K 0 3600 block of Wynd	Source: Mariner  same thunderstorms  Hail (1.00 in) Source: Law Enforcement  Lightning Source: Newspaper dwood Way in the Town of Bristol.  Hail (0.75 in)
Intense thunderstorms affected the L that produced tornadoes and damagi  WISCONSIN, Southeast  SAUK COUNTY 2.5 W SAUK CITY  DANE COUNTY 3.0 SSW NORTH E	06/21/10 21:20 CST 06/21/10 21:20 CST .ake Michigan shoreline late in the eve ing downburst winds in south-central in the eve ing downburst winds in the eve ing downburst winds in the eve ing downburst winds in the eve ing	ening on June 21st and southeast Wis	0  These were the sconsin.  0 0 0 30K 0 3600 block of Wynd	Source: Mariner  same thunderstorms  Hail (1.00 in) Source: Law Enforcement  Lightning Source: Newspaper dwood Way in the Town of Bristol.  Hail (0.75 in)

JEFFERSON COUNTY --- 2.0 SW LAKE MILLS [43.06, -88.93]

JEFFERSON COUNTY --- LAKE MILLS [43.08, -88.90]

06/02/10 16:28 CST

06/02/10 16:28 CST

06/02/10 16:30 CST

06/02/10 16:35 CST

Page 11 of 52 Printed on: 02/10/2011

Hail (1.75 in)

Hail (1.00 in)

Source: Trained Spotter

Source: Trained Spotter

0

0

0

		Deaths & Injuries	Property & Crop Dmg	Event Type and Details
A line of strong thunderstorms pushed sou arge hail-with the largest being 1.75 inches		in. Within the lin	e, a fairly intense	thunderstorm produced
DANE COUNTY 1.0 W MIDDLETON [43.1	0, -89.52]			
	06/05/10 13:10 CST		0	Funnel Cloud
	06/05/10 13:10 CST		0	Source: Public
Two individuals reported a funnel cloud 1 mil	e west of Middleton.			
DANE COUNTY 4.0 S SUN PRAIRIE [43.1	2, -89.20], 2.0 E SUN PRAIRIE [43	.18, -89.16]		
	06/05/10 13:10 CST		0	Funnel Cloud
	06/05/10 13:25 CST		0	Source: Law Enforcement
Law enforcement, along with spotters and the hrough the Sun Prairie area.	e general public, saw a funnel clou	d form, dissipate,	and reform from a	thunderstorm as it moved northeast
Thunderstorms developed during the after Wisconsin. A portion of the frontal bounda Mendota in Madison to Juneau. A west to d formed when the thunderstorm cells inters	ry followed a southwest to northe east line of storms developed nor	east line across D	ane and Dodge co	ounties from Lake
DANE COUNTY 1.0 NE CROSS PLAINS [	43.13, -89.62]			
	06/06/10 14:12 CST		0	Hail (0.75 in)
	06/06/10 14:12 CST		0	Source: Trained Spotter
DANE COUNTY 1.2 S SHOREWOOD HILI	I S [43 06 -89 47]			
AND GOOKIT 1.2 GOTONEWOOD THE	06/06/10 14:15 CST		0	Hail (0.75 in)
	06/06/10 14:15 CST		0	Source: Amateur Radio
WASHINGTON COUNTY 4.0 NNW WEST				
	06/06/10 16:20 CST		0	Hail (0.75 in)
	06/06/10 16:20 CST		0	Source: Trained Spotter
NASHINGTON COUNTY WEST BEND [4:	3.42, -88.18]			
_	06/06/10 16:30 CST		0	Hail (0.88 in)
	06/06/10 16:30 CST		0	Source: Trained Spotter
COLUMBIA COUNTY 2.0 SSE POYNETTI	E [43.37, -89.38] 06/06/10 16:38 CST		0	Hail (0.75 in)
	06/06/10 16:38 CST		0	Source: Public
	55.55.15 10.00 001		·	2235 325
DANE COUNTY 2.0 N UTICA [43.00, -89.1	[2]			
	06/06/10 16:45 CST		0	Hail (0.75 in)
	06/06/10 16:45 CST		0	Source: Public
DANE COUNTY 5.0 SE MADISON TRUAX	( AIRPORT [43.0989.261			
	06/06/10 17:20 CST		0	Hail (0.75 in)
	06/06/10 17:20 CST		0	Source: Trained Spotter
A surface trough associated with an exiting	lue to mid-level lapse rates of 6 to			
700 mb made hail a threat with the develop				
700 mb made hail a threat with the develop	OWN [43,19, -88.73]			
	OWN [43.19, -88.73] 06/18/10 01:12 CST		0	Thunderstorm Wind (EG 50 kt)

from radar.

Page 12 of 52 Printed on: 02/10/2011

REEN COUNTY MARTINTOWN [42.50, -89.80]  06/18/10 13.40 CST  0	Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
06/18/10 13:30 CST 0 Source: Law Enforcement aw Enforcement reported trees down.  REEN COUNTY — MARTINTOWN [42.59, -89.89] 06/18/10 13:40 CST 0 Thunderstorm Wind (EG 56 kt) 06/18/10 13:40 CST 0 Thunderstorm Wind (EG 56 kt) 06/18/10 13:40 CST 0 Thunderstorm Wind (EG 56 kt) 06/18/10 13:40 CST 0 Thunderstorm Wind (EG 56 kt) 06/18/10 13:45 CST 0 Thunderstorm Wind (EG 56 kt) 06/18/10 13:45 CST 0 Thunderstorm Wind (EG 56 kt) 06/18/10 13:45 CST 0 Thunderstorm Wind (EG 56 kt) 06/18/10 13:45 CST 0 Thunderstorm Wind (EG 56 kt) 06/18/10 13:45 CST 0 Thunderstorm Wind (EG 56 kt) 06/18/10 13:45 CST 0 Thunderstorm Wind (EG 56 kt) 06/18/10 13:45 CST 0 Thunderstorm Wind (EG 56 kt) 06/18/10 13:50 CST 0 Thunderstorm Wind (EG 56 kt) 06/18/10 13:50 CST 0 Source: Law Enforcement 06/18/10 13:50 CST 0 Thunderstorm Wind (EG 56 kt) 06/18/10 13:50 CST 0 Source: Law Enforcement 06/18/10 13:50 CST 0 Thunderstorm Wind (EG 56 kt) 06/18/10 13:50 CST 0 Source: Law Enforcement 06/18/10 13:50 CST 0 Source: Law Enforcement 06/18/10 13:50 CST 0 Thunderstorm Wind (EG 56 kt) 06/18/10 14:20 CST 0 Source: Public 06/18/10 14:20 CST 0 Source: Public 06/18/10 14:20 CST 0 Source: Public 06/18/10 14:20 CST 0 Thunderstorm Wind (EG 56 kt) 06/18/10 14:20 CST 0 Thunderstorm Wind (EG 56 kt) 06/18/10 14:20 CST 0 Thunderstorm Wind (EG 56 kt) 06/18/10 14:20 CST 0 Thunderstorm Wind (EG 56 kt) 06/18/10 14:20 CST 0 Source: Public 0	AFAYETTE COUNTY 1.0 W SOUTH WA	AYNE [42.57, -89.90], 1.0 S SOUTH	I WAYNE [42.56, -	89.88]	
ave Enforcement reported troos down.  REEN COUNTY — MARTINTOWN [42.59, 49.80]  00 (18/10 13:40 CST 0 Source: Public seneral public reported a awath of downed trees from Martintown to northwest of Bradhead. Scattered pockets of felled trees were reported in a band boul 3 miles wide.  REEN COUNTY — JUDA [42.58, 49.50]  00 (18/10 13:45 CST 0 Thunderstorm Wind (EG 56 kt) O6/18/10 13:45 CST 0 Source: Public seneral public reported a awath of downed trees from Martintown to northwest of Bradhead. Scattered pockets of felled trees were reported in a band boul 3 miles wide.  REEN COUNTY — 3.0 NW BRODHEAD [42.58, 49.41]  00 (18/10 13:50 CST 0 Thunderstorm Wind (EG 56 kt) O6/18/10 13:50 CST 0 Source: Law Enforcement seneral public reported a awath of downed trees from Martintown to northwest of Bradhead. Scattered pockets of felled trees were reported in a band boul 3 miles wide.  REEN COUNTY — 3.0 NW BRODHEAD [42.58, 49.41]  00 (18/10 13:50 CST 0 Thunderstorm Wind (EG 56 kt) O6/18/10 13:50 CST 0 Source: Law Enforcement seneral public reported a awath of downed trees from Martintown to northwest of Bradhead. Scattered pockets of felled trees were reported in a band boul 3 miles wide.  OCK COUNTY — 4.0 SW ORFORDVILLE [42.58, 49.31]  00 (18/10 14:05 CST 0 Source: Public Utility Country — 4.0 SW ORFORDVILLE [42.58, 49.31]  00 (18/10 14:05 CST 0 Thunderstorm Wind (EG 65 kt) O6/18/10 14:20 CST 0 Source: Amateur Radio  00 (18/10 14:20 CST 0 Thunderstorm Wind (EG 65 kt) O6/18/10 14:20 CST 0 Source: Amateur Radio  00 (18/10 14:24 CST 0 Source: Trained Spotter  00 (18/10 14:26 CST 0 Source: Amateur Radio  00 (18/10 14:26 CST 0 Source: Amateur Radio  00 (18/10 1					,
REEN COUNTY MARTINTOWN [42.50, -89.80]  06/18/10 13-40 CST 0 Thunderstorm Wind (EG 56 kt) 06/18/10 13-40 CST 0 Source: Public  eneral public reported a swalth of downed trees from Martintown to northwest of Brodhead. Scattered pockets of felled trees were reported in a band bout 3 miles wide.  REEN COUNTY JUDA [42.58, -89.50]  06/18/10 13-45 CST 0 Thunderstorm Wind (EG 56 kt) 06/18/10 13-45 CST 0 Source: Public  eneral public reported a swalth of downed trees from Martintown to northwest of Brodhead. Scattered pockets of felled trees were reported in a band bout 3 miles wide.  REEN COUNTY 3.0 NW BRODHEAD [42.65, 49.41] 06/18/10 13-50 CST 0 Thunderstorm Wind (EG 56 kt) 06/18/10 13-50 CST 0 Source: Law Endorcement  eneral public reported a swalth of downed trees from Martintown to northwest of Brodhead. Scattered pockets of felled trees were reported in a band bout 3 miles wide.  DOCK COUNTY 4.0 SW ORFORDVILLE [42.59, -89.31] 06/18/10 14-20 CST 0 Source: Law Endorcement  DOCK COUNTY 4.0 SW ORFORDVILLE [42.59, -89.31] 06/18/10 14-20 CST 0 Source: Public  DOCK COUNTY 8ELOIT [42.52, -89.93] 06/18/10 14-20 CST 0 Thunderstorm Wind (EG 65 kt) 06/18/10 14-20 CST 0 Source: Amateur Radio  DOCK COUNTY 2.0 SW DOWNTOWN JANESVILLE [42.66, -89.65] 06/18/10 14-20 CST 0 Source: Trained Spotter  DOCK COUNTY 2.0 SW DOWNTOWN JANESVILLE [42.66, -89.65] 06/18/10 14-20 CST 0 Source: Trained Spotter  DOCK COUNTY DOWNTOWN JANESVILLE [42.66, -89.65] 06/18/10 14-20 CST 0 Source: Trained Spotter  DOCK COUNTY DOWNTOWN JANESVILLE [42.66, -89.65] 06/18/10 14-20 CST 0 Source: Trained Spotter  DOCK COUNTY DOWNTOWN JANESVILLE [42.66, -89.65] 06/18/10 14-20 CST 0 Source: Trained Spotter  DOCK COUNTY DOWNTOWN JANESVILLE [42.66, -89.65] 06/18/10 14-20 CST 0 Source: Trained Spotter  DOCK COUNTY DOWNTOWN JANESVILLE [42.66, -89.65] 06/18/10 14-20 CST 0 Source: Trained Spotter  DOCK COUNTY DOWNTOWN JANESVILLE [42.66, -89.65] 06/18/10 14-20 CST 0 Source: Trained Spotter  DOCK COUNTY DOWNTOWN JA		06/18/10 13:30 CST		0	Source: Law Enforcement
OSF18/10 13-40 CST 0 Source: Public seneral public reported a swalth of downed trees from Martintown to northwest of Brodhead. Scattered pockets of felled trees were reported in a band boad 3 miles wide.  REEN COUNTY — JUDA [42.58, -89.50]  OSF18/10 13-45 CST 0 Thunderstorm Wind (EG 56 kt) OSF18/10 13-45 CST 0 Source: Public seneral public reported a swalth of downed trees from Martintown to northwest of Brodhead. Scattered pockets of felled trees were reported in a band boad 3 miles wide.  REEN COUNTY — JUDA [42.58, -89.50]  OSF18/10 13-45 CST 0 Source: Public seneral public reported a swalth of downed trees from Martintown to northwest of Brodhead. Scattered pockets of felled trees were reported in a band boad 3 miles wide.  REEN COUNTY — 3.0 NW BRODHEAD [42.65, 49.41] OSF18/10 13-50 CST 0 Thunderstorm Wind (EG 56 kt) OSF18/10 13-50 CST 0 Source: Law Enforcement seneral public reported a swalth of downed trees from Martintown to northwest of Brodhead. Scattered pockets of felled trees were reported in a band boad 3 miles wide.  OCK COUNTY — 4.0 SW ORFORDVILLE [42.59, -98.91] OSF18/10 14-25 CST 10 Source: Public  OCK COUNTY — 4.0 SW ORFORDVILLE [42.59, -98.91] OSF18/10 14-20 CST 0 Source: Public  OSF18/10 14-20 CST 0 Source: Public  OSF18/10 14-20 CST 0 Source: Public  OSC COUNTY — 2.0 SW DOWNTOWN JANESVILLE [42.66, 49.95] OSF18/10 14-20 CST 0 Source: Amateur Radio  newspaper report indicated that trees and power lines were down due to powerful thunderstorm wind gusts.  OCK COUNTY — DOWNTOWN JANESVILLE [42.68, 49.90] OSF18/10 14-20 CST 0 Source: Trained Spotter  OCK COUNTY — DOWNTOWN JANESVILLE [42.68, 49.92] OSF18/10 14-20 CST 0 Source: Trained Spotter  OCK COUNTY — DOWNTOWN JANESVILLE [42.68, 49.92] OSF18/10 14-20 CST 0 Source: Trained Spotter  OCK COUNTY — DOWNTOWN JANESVILLE [42.68, 49.92] OSF18/10 14-20 CST 0 Source: Trained Spotter  OCK COUNTY — DOWNTOWN JANESVILLE [42.68, 49.92] OSF18/10 14-20 CST 0 Source: Trained Spotter  OCK COUNTY — DOWNTOWN JANESVILLE [42.68, 49.92] OSF18/10 14-20 CST 0 Source: Tra	aw Enforcement reported trees down.				
O6/18/10 13:40 CST 0 Source: Public  eneral public reported a swath of downed trees from Martintown to northwest of Brodhead. Scattered pockets of felled trees were reported in a band soul 3 miles wide.  REEN COUNTY JUDA [42.58, -88.50]  06/18/10 13:45 CST 0 Thunderstorm Wind (EG 56 kt) 06/18/10 13:45 CST 0 Source: Public  eneral public reported a swath of downed trees from Martintown to northwest of Brodhead. Scattered pockets of felled trees were reported in a band soul 3 miles wide.  REEN COUNTY 3.0 NW BRODHEAD [42.58, -88.41] 06/18/10 13:50 CST 0 Thunderstorm Wind (EG 56 kt) 06/18/10 13:50 CST 0 Source: Law Enforcement  eneral public reported a swath of downed trees from Martintown to northwest of Brodhead. Scattered pockets of felled trees were reported in a band soul 3 miles wide.  REEN COUNTY 3.0 NW BRODHEAD [42.58, -88.41] 06/18/10 14:05 CST 0 Source: Law Enforcement  eneral public reported a swath of downed trees from Martintown to northwest of Brodhead. Scattered pockets of felled trees were reported in a band soul 3 miles wide.  OCK COUNTY 4.0 SW ORFORDVILLE [42.59, -88.31] 06/18/10 14:05 CST 10K Thunderstorm Wind (EG 56 kt) 06/18/10 14:05 CST 0 Source: Public  OCK COUNTY BELOTT [42.52, -89.03] 06/18/10 14:20 CST 0 Thunderstorm Wind (EG 65 kt) 06/18/10 14:20 CST 0 Source: Amateur Radio  OCK COUNTY 2.0 SW DOWNTOWN JANESVILLE [42.66, -89.05] 06/18/10 14:24 CST 0 Source: Trained Spotter  OCK COUNTY 2.0 SW DOWNTOWN JANESVILLE [42.66, -89.05] 06/18/10 14:26 CST 0 Source: Trained Spotter  OCK COUNTY DOWNTOWN JANESVILLE [42.68, -89.02] 06/18/10 14:26 CST 0 Source: Trained Spotter  OCK COUNTY DOWNTOWN JANESVILLE [42.68, -89.02] 06/18/10 14:26 CST 0 Source: Trained Spotter  OCK COUNTY DOWNTOWN JANESVILLE [42.68, -89.02] 06/18/10 14:26 CST 0 Source: Trained Spotter  OCK COUNTY DOWNTOWN JANESVILLE [42.68, -89.02] 06/18/10 14:26 CST 0 Source: Trained Spotter  OCK COUNTY 1.0 W DELAVAN [42.63, -88.65] 06/18/10 14:36 CST 0 Source: Amateur Radio  OCK COUNTY 1.0 W D	REEN COUNTY MARTINTOWN [42.50,	<del>-</del>			
eneral public reported a swath of downed trees from Martintown to northwest of Brodhead. Scattered pockets of felled trees were reported in a band bout 3 miles wide.  REEN COUNTY JUDA [42.58, -49.50]  06/18/10 13.45 CST 0 Thunderstorm Wind (EG 56 kt) Oscurce: Public eneral public reported a swath of downed trees from Martintown to northwest of Brodhead. Scattered pockets of felled trees were reported in a band bout 3 miles wide.  REEN COUNTY 3.0 NW BRODHEAD [42.65, -89.41]  06/18/10 13.50 CST 0 Thunderstorm Wind (EG 56 kt) O6/18/10 13.50 CST 0 Source: Law Enforcement eneral public reported a swath of downed trees from Martintown to northwest of Brodhead. Scattered pockets of felled trees were reported in a band bout 3 miles wide.  OCK COUNTY 4.0 SW ORFORDVILLE [42.59, -89.31]  06/18/10 14.05 CST 10K Thunderstorm Wind (EG 66 kt) O6/18/10 14.05 CST 0 Source: Public bubbic reported trees and power-lines down.  OCK COUNTY 4.0 SW ORFORDVILLE [42.59, -89.31]  06/18/10 14.20 CST 0 Thunderstorm Wind (EG 66 kt) O6/18/10 CST 0 Source: Amateur Radio bubbic reported trees and power-lines down.  OCK COUNTY 2.0 SW DOWNTOWN JANESVILLE [42.66, -89.65]  06/18/10 14.20 CST 0 Thunderstorm Wind (EG 66 kt) O6/18/10 14.24 CST 0 Source: Trained Spotter reported downed trees.  OCK COUNTY 2.0 SW DOWNTOWN JANESVILLE [42.68, -89.62]  06/18/10 14.26 CST 0 Thunderstorm Wind (EG 70 kt) O6/18/10 14.26 CST 0 Source: Trained Spotter reported downed trees.  OCK COUNTY DOWNTOWN JANESVILLE [42.68, -89.62]  06/18/10 14.26 CST 0 Thunderstorm Wind (EG 70 kt) O6/18/10 14.26 CST 0 Thunderstorm Wind (EG 70 kt) O6/18/10 14.26 CST 0 Thunderstorm Wind (EG 70 kt) O6/18/10 14.26 CST 0 Thunderstorm Wind (EG 70 kt) O6/18/10 14.26 CST 0 Thunderstorm Wind (EG 70 kt) O6/18/10 14.26 CST 0 Thunderstorm Wind (EG 70 kt) O6/18/10 14.26 CST 0 Thunderstorm Wind (EG 70 kt) O6/18/10 14.26 CST 0 Thunderstorm Wind (EG 70 kt) O6/18/10 14.26 CST 0 Thunderstorm Wind (EG 70 kt) O6/18/10 14.26 CST 0 Thunderstorm Wind (EG 70 kt) O6/18/10 14.26 CST 0 T					· · ·
REEN COUNTY JUDA [42.58, 49.50]  06/18/10 13.45 CST		06/18/10 13:40 CST		0	Source: Public
OB/18/10 13:45 CST 0 Thunderstorm Wind (EG 56 kt) OB/18/10 13:45 CST 0 Source: Public  leneral public reported a swath of downed trees from Martintown to northwest of Brodhead. Scattered pockets of felled trees were reported in a band bout 3 miles wide.  REEN COUNTY 3.0 NW BRODHEAD [42.65, -49.41]  OB/18/10 13:50 CST 0 Thunderstorm Wind (EG 56 kt) OB/18/10 13:50 CST 0 Source: Law Enforcement  seneral public reported a swath of downed trees from Martintown to northwest of Brodhead. Scattered pockets of felled trees were reported in a band bout 3 miles wide.  OCK COUNTY 4.0 SW ORFORDVILLE [42.59, -89.31] OB/18/10 14:05 CST 10K Thunderstorm Wind (EG 56 kt) OB/18/10 14:05 CST 0 Source: Public  OCK COUNTY 8ELOIT [42.52, -89.03] OB/18/10 14:20 CST 0 Thunderstorm Wind (EG 65 kt) OB/18/10 14:20 CST 0 Source: Amateur Radio  newspaper report indicated that trees and power lines were down due to powerful thunderstorm wind gusts.  OCK COUNTY 2.0 SW DOWNTOWN JANESVILLE [42.68, -89.05] OB/18/10 14:24 CST 0 Thunderstorm Wind (EG 56 kt) OB/18/10 14:26 CST 0 Source: Trained Spotter  OCK COUNTY DOWNTOWN JANESVILLE [42.68, -89.05] OB/18/10 14:26 CST 0 Source: Trained Spotter  OCK COUNTY DOWNTOWN JANESVILLE [42.68, -89.05] OB/18/10 14:26 CST 0 Source: Trained Spotter  OCK COUNTY DOWNTOWN JANESVILLE [42.68, -89.05] OB/18/10 14:26 CST 0 Source: Trained Spotter  OCK COUNTY DOWNTOWN JANESVILLE [42.68, -89.05] OB/18/10 14:26 CST 0 Source: Trained Spotter  OCK COUNTY DOWNTOWN JANESVILLE [42.68, -89.05] OB/18/10 14:26 CST 0 Source: Trained Spotter  OCK COUNTY DOWNTOWN JANESVILLE [42.68, -89.05] OB/18/10 14:26 CST 0 Source: Trained Spotter  OCK COUNTY DOWNTOWN JANESVILLE [42.68, -89.05] OB/18/10 14:26 CST 0 Source: Trained Spotter  OCK COUNTY DOWNTOWN JANESVILLE [42.68, -89.05] OB/18/10 14:28 CST 0 Source: Trained Spotter  OCK COUNTY DOWNTOWN JANESVILLE [42.68, -89.05] OB/18/10 14:28 CST 0 Source: Trained Spotter  OCK COUNTY DOWNTOWN JANESVILLE [42.68, -89.05] OB/18/10 14:28 CST 0 So	seneral public reported a swath of downed bout 3 miles wide.	trees from Martintown to northwest	of Brodhead. Sca	attered pockets of	felled trees were reported in a band
06/18/10 13:45 CST 0 Source: Public eneral public reported a swath of downed trees from Martintown to northwest of Brodhead. Scattered pockets of felled trees were reported in a band boul 3 miles wide.  REEN COUNTY 3.0 NW BRODHEAD [42:65, -89.41] 06/18/10 13:50 CST 0 Thunderstorm Wind (EG 56 kt) 06/18/10 13:50 CST 0 Source: Law Enforcement eneral public reported a swath of downed trees from Martintown to northwest of Brodhead. Scattered pockets of felled trees were reported in a band boul 3 miles wide.  OCK COUNTY 4.0 SW ORFORDVILLE [42:59, -89.31] 06/18/10 14:05 CST 10K Thunderstorm Wind (EG 65 kt) 06/18/10 14:05 CST 0 Source: Public  OCK COUNTY BELOIT [42:52, -89.03] 06/18/10 14:20 CST 0 Thunderstorm Wind (EG 65 kt) 06/18/10 14:20 CST 0 Source: Amateur Radio newspaper report indicated that trees and power lines were down due to powerful thunderstorm wind gusts.  OCK COUNTY 2.0 SW DOWNTOWN JANESVILLE [42:66, -89.05] 06/18/10 14:20 CST 0 Source: Trained Spotter  OCK COUNTY DOWNTOWN JANESVILLE [42:66, -89.05] 06/18/10 14:26 CST 0 Source: Trained Spotter  OCK COUNTY DOWNTOWN JANESVILLE [42:66, -89.05] 06/18/10 14:26 CST 0 Source: Trained Spotter  OCK COUNTY DOWNTOWN JANESVILLE [42:66, -89.05] 06/18/10 14:26 CST 0 Source: Trained Spotter  OCK COUNTY DOWNTOWN JANESVILLE [42:66, -89.05] 06/18/10 14:26 CST 0 Source: Trained Spotter  OCK COUNTY DOWNTOWN JANESVILLE [42:66, -89.05] 06/18/10 14:26 CST 0 Source: Trained Spotter  OCK COUNTY DOWNTOWN JANESVILLE [42:66, -89.05] 06/18/10 14:26 CST 0 Source: Trained Spotter  OCK COUNTY DOWNTOWN JANESVILLE [42:66, -89.05] 06/18/10 14:26 CST 0 Source: Trained Spotter  OCK COUNTY DOWNTOWN JANESVILLE [42:66, -89.05] 06/18/10 14:26 CST 0 Source: Trained Spotter  OCK COUNTY DOWNTOWN JANESVILLE [42:66, -89.05] 06/18/10 14:26 CST 0 Source: Trained Spotter  OCK COUNTY DOWNTOWN JANESVILLE [42:66, -89.05] 06/18/10 14:26 CST 0 Source: Trained Spotter  OCK COUNTY DOWNTOWN JANESVILLE [42:66, -89.05] 06/18/10 14:26 CST 0 Source: Tra	REEN COUNTY JUDA [42.58, -89.50]				
eneral public reported a swath of downed trees from Martintown to northwest of Brodhead. Scattered pockets of felled trees were reported in a band bout 3 miles wide.  REEN COUNTY 3.0 NW BRODHEAD [42.65, -89.41]  06/18/10 13:50 CST  0 Thunderstorm Wind (EG 56 kt)  06/18/10 13:50 CST  0 Source: Law Enforcement  eneral public reported a swath of downed trees from Martintown to northwest of Brodhead. Scattered pockets of felled trees were reported in a band bout 3 miles wide.  OCK COUNTY 4.0 SW ORFORDVILLE [42.59, -89.31]  06/18/10 14:05 CST  0 Source: Public  06/18/10 14:05 CST  0 Source: Public  06/18/10 14:20 CST  0 Thunderstorm Wind (EG 65 kt)  06/18/10 14:20 CST  0 Source: Amateur Radio  newspaper report indicated that trees and power lines were down due to powerful thunderstorm wind gusts.  OCK COUNTY 2.0 SW DOWNTOWN JANESVILLE [42.66, -89.05]  06/18/10 14:24 CST  0 Source: Trained Spotter  rained spotter reported downed trees.  OCK COUNTY DOWNTOWN JANESVILLE [42.68, -89.02]  06/18/10 14:26 CST  0 Source: Trained Spotter  owerful thunderstorm winds raked the city of Janesville. At least 50 large trees were uprooted, and numerous power-lines were down. A metal roof of a usiness was ripped off by the winds. Elsewhere, a tree fell on a flatted truck (minor damage), and a carriage house roof was blown off. Heavy rains suited in minor urban flooding and a couple stalled vehicles.  OKAWORTH COUNTY 1.0 W DELAVAN [42.63, -88.65]  06/18/10 14:38 CST  0 Thunderstorm Wind (EG 52 kt)  06/18/10 14:38 CST  0 Thunderstorm Wind (EG 52 kt)  06/18/10 14:38 CST  0 Thunderstorm Wind (EG 52 kt)  06/18/10 14:38 CST  0 Thunderstorm Wind (EG 52 kt)  06/18/10 14:38 CST  0 Thunderstorm Wind (EG 52 kt)				0	•
REEN COUNTY 3.0 NW BRODHEAD [42.65, -89.41]  06/18/10 13:50 CST 0 Thunderstorm Wind (EG 56 kt) 06/18/10 13:50 CST 0 Source: Law Enforcement  seneral public reported a swath of downed trees from Martintown to northwest of Brodhead. Scattered pockets of felled trees were reported in a band bout 3 miles wide.  OCK COUNTY 4.0 SW ORFORDVILLE [42.59, -89.31] 06/18/10 14:05 CST 10K Thunderstorm Wind (EG 65 kt) 06/18/10 14:05 CST 0 Source: Public  OCK COUNTY BELOIT [42.52, -89.03] 06/18/10 14:20 CST 0 Thunderstorm Wind (EG 65 kt) 06/18/10 14:20 CST 0 Source: Amateur Radio  newspaper report indicated that trees and power lines were down due to powerful thunderstorm wind gusts.  OCK COUNTY 2.0 SW DOWNTOWN JANESVILLE [42.66, -89.05] 06/18/10 14:24 CST 0 Source: Trained Spotter  rained spotter reported downed trees.  OCK COUNTY DOWNTOWN JANESVILLE [42.68, -89.02] 06/18/10 14:26 CST 0 Source: Trained Spotter  owerful thunderstorm winds raked the city of Janesville. At least 50 large trees were uprooted, and numerous power-lines were down. A metal roof of a usiness was ripped off by the winds. Elsewhere, a tree fell on a flatbed truck (minor damage), and a carriage house roof was blown off. Heavy rains suitled in minor urban flooding and a couple stalled vehicles.  VALWORTH COUNTY 1.0 W DELAVAN [42.63, -88.65] 06/18/10 14:38 CST 0 Thunderstorm Wind (EG 52 kt) 06/18/10 14:38 CST 0 Source: Amateur Radio		06/18/10 13:45 CST		0	Source: Public
06/18/10 13:50 CST 0 Thunderstorm Wind (EG 56 kt) 06/18/10 13:50 CST 0 Source: Law Enforcement  eneral public reported a swath of downed trees from Martintown to northwest of Brodhead. Scattered pockets of felled trees were reported in a band bout 3 miles wide.  OCK COUNTY 4.0 SW ORFORDVILLE [42.59, -89.31] 06/18/10 14:05 CST 10K Thunderstorm Wind (EG 56 kt) 06/18/10 14:05 CST 0 Source: Public  OCK COUNTY BELOIT [42.52, -89.03] 06/18/10 14:20 CST 0 Thunderstorm Wind (EG 65 kt) 06/18/10 14:20 CST 0 Source: Amateur Radio  newspaper report indicated that trees and power lines were down due to powerful thunderstorm wind gusts.  OCK COUNTY 2.0 SW DOWNTOWN JANESVILLE [42.66, -89.05] 06/18/10 14:24 CST 0 Thunderstorm Wind (EG 56 kt) 06/18/10 14:24 CST 0 Source: Trained Spotter  rained spotter reported downed trees.  OCK COUNTY DOWNTOWN JANESVILLE [42.68, -89.02] 06/18/10 14:26 CST 0 Source: Trained Spotter  overful thunderstorm winds raked the city of Janesville. At least 50 large trees were uprooted, and numerous power-lines were down. A metal roof of a usiness was inped off by the winds. Elsewhere, a tree fell on a flatbed truck (minor damage), and a carriage house roof was blown off. Heavy rains suitled in minor urban flooding and a couple stalled vehicles.  IALWORTH COUNTY 1.0 W DELAVAN [42.63, -88.65] 06/18/10 14:38 CST 0 Thunderstorm Wind (EG 52 kt) 06/18/10 14:38 CST 0 Source: Amateur Radio	Seneral public reported a swath of downed bout 3 miles wide.	trees from Martintown to northwest	of Brodhead. Sca	attered pockets of	felled trees were reported in a band
06/18/10 13:50 CST 0 Source: Law Enforcement eneral public reported a swath of downed trees from Martintown to northwest of Brodhead. Scattered pockets of felled trees were reported in a band bout 3 miles wide.  OCK COUNTY 4.0 SW ORFORDVILLE [42.59, -89.31]  06/18/10 14:05 CST 10K Thunderstorm Wind (EG 65 kt) 06/18/10 14:05 CST 0 Source: Public  Ublic reported trees and power-lines down.  OCK COUNTY BELOIT [42.52, -89.03]  06/18/10 14:20 CST 0 Thunderstorm Wind (EG 65 kt) 06/18/10 14:20 CST 0 Source: Amateur Radio  newspaper report indicated that trees and power lines were down due to powerful thunderstorm wind gusts.  OCK COUNTY 2.0 SW DOWNTOWN JANESVILLE [42.66, -89.05] 06/18/10 14:24 CST 0 Thunderstorm Wind (EG 56 kt) 06/18/10 14:24 CST 0 Source: Trained Spotter  Paralled spotter reported downed trees.  OCK COUNTY DOWNTOWN JANESVILLE [42.68, -89.02] 06/18/10 14:26 CST 0 Source: Trained Spotter  OCK COUNTY DOWNTOWN JANESVILLE [42.68, -89.02] 06/18/10 14:26 CST 0 Source: Trained Spotter  OWNERFULLED TO SOURCE:	REEN COUNTY 3.0 NW BRODHEAD [4			^	Thursday Mind (50.50 Lt)
teneral public reported a swath of downed trees from Martintown to northwest of Brodhead. Scattered pockets of felled trees were reported in a band bout 3 miles wide.  OCK COUNTY 4.0 SW ORFORDVILLE [42.59, -89.31]  06/18/10 14:05 CST 10K Thunderstorm Wind (EG 65 kt) 06/18/10 14:05 CST 0 Source: Public  ublic reported trees and power-lines down.  OCK COUNTY BELOIT [42.52, -89.03]  06/18/10 14:20 CST 0 Thunderstorm Wind (EG 65 kt) 06/18/10 14:20 CST 0 Source: Amateur Radio  newspaper report indicated that trees and power lines were down due to powerful thunderstorm wind gusts.  OCK COUNTY 2.0 SW DOWNTOWN JANESVILLE [42.66, -89.05] 06/18/10 14:24 CST 0 Thunderstorm Wind (EG 56 kt) 06/18/10 14:26 CST 0 Source: Trained Spotter  rained spotter reported downed trees.  OCK COUNTY DOWNTOWN JANESVILLE [42.68, -89.02] 06/18/10 14:26 CST 0.10M Thunderstorm Wind (EG 70 kt) 06/18/10 14:26 CST 0.5 Source: Trained Spotter  owerful thunderstorm winds raked the city of Janesville. At least 50 large trees were uprooted, and numerous power-lines were down. A metal roof of a usiness was ripped off by the winds. Elsewhere, a tree fell on a flatbed truck (minor damage), and a carriage house roof was blown off. Heavy rains soulted in minor urban flooding and a couple stalled vehicles.  VALWORTH COUNTY 1.0 W DELAVAN [42.63, -88.65] 06/18/10 14:38 CST 0 Source: Amateur Radio					• • • • • • • • • • • • • • • • • • • •
OCK COUNTY 4.0 SW ORFORDVILLE [42.59, -89.31]  06/18/10 14:05 CST 06/18/10 14:05 CST 0 Source: Public  OCK COUNTY BELOIT [42.52, -89.03]  06/18/10 14:20 CST 0 Source: Amateur Radio  OCK COUNTY 2.0 SW DOWNTOWN JANESVILLE [42.66, -89.05] 06/18/10 14:24 CST 0 Thunderstorm Wind (EG 65 kt) 06/18/10 14:24 CST 0 Source: Trained Spotter reported downed trees.  OCK COUNTY DOWNTOWN JANESVILLE [42.68, -89.02] 06/18/10 14:24 CST 0 Source: Trained Spotter reported downed trees.  OCK COUNTY DOWNTOWN JANESVILLE [42.68, -89.02] 06/18/10 14:26 CST 0 Source: Trained Spotter reported downed trees.		06/18/10 13:50 CST		0	Source: Law Enforcement
06/18/10 14:05 CST 10K Thunderstorm Wind (EG 65 kt) 06/18/10 14:05 CST 0 Source: Public  ublic reported trees and power-lines down.  OCK COUNTY BELOIT [42.52, -89.03]  06/18/10 14:20 CST 0 Thunderstorm Wind (EG 65 kt) 06/18/10 14:20 CST 0 Source: Amateur Radio  newspaper report indicated that trees and power lines were down due to powerful thunderstorm wind gusts.  OCK COUNTY 2.0 SW DOWNTOWN JANESVILLE [42.66, -89.05]  06/18/10 14:24 CST 0 Thunderstorm Wind (EG 56 kt) 06/18/10 14:24 CST 0 Source: Trained Spotter  rained spotter reported downed trees.  OCK COUNTY DOWNTOWN JANESVILLE [42.68, -89.02]  06/18/10 14:26 CST 0 Source: Trained Spotter  OCK COUNTY DOWNTOWN JANESVILLE [42.68, -89.02]  06/18/10 14:26 CST 0 Source: Trained Spotter  owerful thunderstorm winds raked the city of Janesville. At least 50 large trees were uprooted, and numerous power-lines were down. A metal roof of a usiness was ripped off by the winds. Elsewhere, a tree fell on a flatbed truck (minor damage), and a carriage house roof was blown off. Heavy rains soulted in minor urban flooding and a couple stalled vehicles.  VALWORTH COUNTY 1.0 W DELAVAN [42.63, -88.65]  06/18/10 14:38 CST 0 Thunderstorm Wind (EG 52 kt)  06/18/10 14:38 CST 0 Source: Amateur Radio	General public reported a swath of downed bout 3 miles wide.	trees from Martintown to northwest	of Brodhead. Sc	attered pockets of	felled trees were reported in a band
OCK COUNTY BELOIT [42.52, -89.03]  06/18/10 14:20 CST 0 Source: Amateur Radio  newspaper report indicated that trees and power lines were down due to powerful thunderstorm wind gusts.  OCK COUNTY 2.0 SW DOWNTOWN JANESVILLE [42.66, -89.05] 06/18/10 14:24 CST 0 Source: Trained Spotter  OCK COUNTY DOWNTOWN JANESVILLE [42.68, -89.05] 06/18/10 14:24 CST 0 Source: Trained Spotter  OCK COUNTY DOWNTOWN JANESVILLE [42.68, -89.02] 06/18/10 14:26 CST 0 Source: Trained Spotter  OCK COUNTY DOWNTOWN JANESVILLE [42.68, -89.02] 06/18/10 14:26 CST 0 Source: Trained Spotter  OCK COUNTY DOWNTOWN JANESVILLE [42.68, -89.02] 06/18/10 14:26 CST 0 Source: Trained Spotter  OWNTOWN JANESVILLE [42.68, -89.02] 06/18/10 14:26 CST 0 Source: Trained Spotter  OWNTOWN JANESVILLE [42.68, -89.02] 06/18/10 14:26 CST 0 Source: Trained Spotter  OWNTOWN JANESVILLE [42.68, -89.02] 06/18/10 14:26 CST 0 Thunderstorm Wind (EG 70 kt) 06/18/10 Id:26 CST 0 Source: Trained Spotter  OWNTOWN JANESVILLE [42.68, -89.02] 06/18/10 Id:26 CST 0 Source: Trained Spotter  OWNTOWN JANESVILLE [42.68, -89.02] 06/18/10 Id:26 CST 0 Source: Trained Spotter  OWNTOWN JANESVILLE [42.68, -89.02] 06/18/10 Id:26 CST 0 Source: Trained Spotter  OWNTOWN JANESVILLE [42.68, -89.02] 06/18/10 Id:26 CST 0 Source: Trained Spotter	OCK COUNTY 4.0 SW ORFORDVILLE	• •			
OCK COUNTY BELOIT [42.52, -89.03]  06/18/10 14:20 CST 0 Source: Amateur Radio  newspaper report indicated that trees and power lines were down due to powerful thunderstorm wind gusts.  OCK COUNTY 2.0 SW DOWNTOWN JANESVILLE [42.66, -89.05] 06/18/10 14:24 CST 0 Thunderstorm Wind (EG 56 kt) 06/18/10 14:24 CST 0 Source: Trained Spotter  rained spotter reported downed trees.  OCK COUNTY DOWNTOWN JANESVILLE [42.68, -89.02] 06/18/10 14:26 CST 0 Source: Trained Spotter  OCK COUNTY DOWNTOWN JANESVILLE [42.68, -89.02] 06/18/10 14:26 CST 0 Source: Trained Spotter  OWNTOWN JANESVILLE [42.68, -89.02] 06/18/10 14:26 CST 0 Source: Trained Spotter  OWNTOWN JANESVILLE [42.68, -89.02] 06/18/10 14:26 CST 0 Thunderstorm Wind (EG 70 kt) 06/18/10 14:26 CST 0 Thunderstorm winds raked the city of Janesville. At least 50 large trees were uprooted, and numerous power-lines were down. A metal roof of a usiness was ripped off by the winds. Elsewhere, a tree fell on a flatbed truck (minor damage), and a carriage house roof was blown off. Heavy rains soulted in minor urban flooding and a couple stalled vehicles.  VALWORTH COUNTY 1.0 W DELAVAN [42.63, -88.65] 06/18/10 14:38 CST 0 Source: Amateur Radio					· · ·
OCK COUNTY BELOIT [42.52, -89.03]  06/18/10 14:20 CST		06/18/10 14:05 CST		0	Source: Public
06/18/10 14:20 CST 0 Thunderstorm Wind (EG 65 kt) 06/18/10 14:20 CST 0 Source: Amateur Radio  newspaper report indicated that trees and power lines were down due to powerful thunderstorm wind gusts.  OCK COUNTY 2.0 SW DOWNTOWN JANESVILLE [42.66, -89.05] 06/18/10 14:24 CST 0 Thunderstorm Wind (EG 56 kt) 06/18/10 14:24 CST 0 Source: Trained Spotter  rained spotter reported downed trees.  OCK COUNTY DOWNTOWN JANESVILLE [42.68, -89.02] 06/18/10 14:26 CST 0.10M Thunderstorm Wind (EG 70 kt) 06/18/10 14:26 CST 0 Source: Trained Spotter  owerful thunderstorm winds raked the city of Janesville. At least 50 large trees were uprooted, and numerous power-lines were down. A metal roof of a usiness was ripped off by the winds. Elsewhere, a tree fell on a flatbed truck (minor damage), and a carriage house roof was blown off. Heavy rains seutled in minor urban flooding and a couple stalled vehicles.  VALWORTH COUNTY 1.0 W DELAVAN [42.63, -88.65] 06/18/10 14:38 CST 0 Source: Amateur Radio	Public reported trees and power-lines down.				
0 Source: Amateur Radio  newspaper report indicated that trees and power lines were down due to powerful thunderstorm wind gusts.  OCK COUNTY 2.0 SW DOWNTOWN JANESVILLE [42.66, -89.05] 06/18/10 14:24 CST 0 Thunderstorm Wind (EG 56 kt) 06/18/10 14:24 CST 0 Source: Trained Spotter  rained spotter reported downed trees.  OCK COUNTY DOWNTOWN JANESVILLE [42.68, -89.02] 06/18/10 14:26 CST 0 Source: Trained Spotter  OCK COUNTY DOWNTOWN JANESVILLE [42.68, -89.02] 06/18/10 14:26 CST 0 Source: Trained Spotter  owerful thunderstorm winds raked the city of Janesville. At least 50 large trees were uprooted, and numerous power-lines were down. A metal roof of a usiness was ripped off by the winds. Elsewhere, a tree fell on a flatbed truck (minor damage), and a carriage house roof was blown off. Heavy rains esulted in minor urban flooding and a couple stalled vehicles.  VALWORTH COUNTY 1.0 W DELAVAN [42.63, -88.65] 06/18/10 14:38 CST 0 Source: Amateur Radio	OCK COUNTY BELOIT [42.52, -89.03]				
newspaper report indicated that trees and power lines were down due to powerful thunderstorm wind gusts.  OCK COUNTY 2.0 SW DOWNTOWN JANESVILLE [42.66, -89.05]  06/18/10 14:24 CST 0 Source: Trained Spotter  rained spotter reported downed trees.  OCK COUNTY DOWNTOWN JANESVILLE [42.68, -89.02]  06/18/10 14:26 CST 0.10M Thunderstorm Wind (EG 70 kt)  06/18/10 14:26 CST 0 Source: Trained Spotter  owerful thunderstorm winds raked the city of Janesville. At least 50 large trees were uprooted, and numerous power-lines were down. A metal roof of a usiness was ripped off by the winds. Elsewhere, a tree fell on a flatbed truck (minor damage), and a carriage house roof was blown off. Heavy rains esulted in minor urban flooding and a couple stalled vehicles.  VALWORTH COUNTY 1.0 W DELAVAN [42.63, -88.65]  06/18/10 14:38 CST 0 Thunderstorm Wind (EG 52 kt) 06/18/10 14:38 CST 0 Source: Amateur Radio		06/18/10 14:20 CST		0	Thunderstorm Wind (EG 65 kt)
OCK COUNTY 2.0 SW DOWNTOWN JANESVILLE [42.66, -89.05]  06/18/10 14:24 CST 0 Source: Trained Spotter  rained spotter reported downed trees.  OCK COUNTY DOWNTOWN JANESVILLE [42.68, -89.02] 06/18/10 14:26 CST 0 Source: Trained Spotter  06/18/10 14:26 CST 0 Source: Trained Spotter  Owerful thunderstorm winds raked the city of Janesville. At least 50 large trees were uprooted, and numerous power-lines were down. A metal roof of a usiness was ripped off by the winds. Elsewhere, a tree fell on a flatbed truck (minor damage), and a carriage house roof was blown off. Heavy rains seutled in minor urban flooding and a couple stalled vehicles.  VALWORTH COUNTY 1.0 W DELAVAN [42.63, -88.65] 06/18/10 14:38 CST 0 Source: Amateur Radio		06/18/10 14:20 CST		0	Source: Amateur Radio
06/18/10 14:24 CST 0 Thunderstorm Wind (EG 56 kt) 06/18/10 14:24 CST 0 Source: Trained Spotter  rained spotter reported downed trees.  OCK COUNTY DOWNTOWN JANESVILLE [42.68, -89.02] 06/18/10 14:26 CST 0.10M Thunderstorm Wind (EG 70 kt) 06/18/10 14:26 CST 0 Source: Trained Spotter  owerful thunderstorm winds raked the city of Janesville. At least 50 large trees were uprooted, and numerous power-lines were down. A metal roof of a usiness was ripped off by the winds. Elsewhere, a tree fell on a flatbed truck (minor damage), and a carriage house roof was blown off. Heavy rains seutled in minor urban flooding and a couple stalled vehicles.  VALWORTH COUNTY 1.0 W DELAVAN [42.63, -88.65] 06/18/10 14:38 CST 0 Thunderstorm Wind (EG 52 kt) 06/18/10 14:38 CST 0 Source: Amateur Radio	newspaper report indicated that trees and	power lines were down due to pov	verful thunderstorr	n wind gusts.	
06/18/10 14:24 CST 0 Thunderstorm Wind (EG 56 kt) 06/18/10 14:24 CST 0 Source: Trained Spotter  rained spotter reported downed trees.  OCK COUNTY DOWNTOWN JANESVILLE [42.68, -89.02] 06/18/10 14:26 CST 0.10M Thunderstorm Wind (EG 70 kt) 06/18/10 14:26 CST 0 Source: Trained Spotter  owerful thunderstorm winds raked the city of Janesville. At least 50 large trees were uprooted, and numerous power-lines were down. A metal roof of a usiness was ripped off by the winds. Elsewhere, a tree fell on a flatbed truck (minor damage), and a carriage house roof was blown off. Heavy rains seutled in minor urban flooding and a couple stalled vehicles.  VALWORTH COUNTY 1.0 W DELAVAN [42.63, -88.65] 06/18/10 14:38 CST 0 Thunderstorm Wind (EG 52 kt) 06/18/10 14:38 CST 0 Source: Amateur Radio	OCK COUNTY 2.0 SW DOWNTOWN 1/	VNESVILLE (42 66 80 05)			
o6/18/10 14:24 CST 0 Source: Trained Spotter  rained spotter reported downed trees.  OCK COUNTY DOWNTOWN JANESVILLE [42.68, -89.02]  06/18/10 14:26 CST 0.10M Thunderstorm Wind (EG 70 kt)  06/18/10 14:26 CST 0 Source: Trained Spotter  owerful thunderstorm winds raked the city of Janesville. At least 50 large trees were uprooted, and numerous power-lines were down. A metal roof of a usiness was ripped off by the winds. Elsewhere, a tree fell on a flatbed truck (minor damage), and a carriage house roof was blown off. Heavy rains esulted in minor urban flooding and a couple stalled vehicles.  VALWORTH COUNTY 1.0 W DELAVAN [42.63, -88.65]  06/18/10 14:38 CST 0 Thunderstorm Wind (EG 52 kt)  06/18/10 14:38 CST 0 Source: Amateur Radio	2001 20011 1 2.0 3W DOWN TOWN JA	• • •		0	Thunderstorm Wind (EG 56 kt)
OCK COUNTY DOWNTOWN JANESVILLE [42.68, -89.02]  06/18/10 14:26 CST  0.10M  Thunderstorm Wind (EG 70 kt)  06/18/10 14:26 CST  0 Source: Trained Spotter  owerful thunderstorm winds raked the city of Janesville. At least 50 large trees were uprooted, and numerous power-lines were down. A metal roof of a usiness was ripped off by the winds. Elsewhere, a tree fell on a flatbed truck (minor damage), and a carriage house roof was blown off. Heavy rains esulted in minor urban flooding and a couple stalled vehicles.  VALWORTH COUNTY 1.0 W DELAVAN [42.63, -88.65]  06/18/10 14:38 CST  0 Thunderstorm Wind (EG 52 kt)  06/18/10 14:38 CST  0 Source: Amateur Radio					· · ·
06/18/10 14:26 CST 0.10M Thunderstorm Wind (EG 70 kt) 06/18/10 14:26 CST 0 Source: Trained Spotter  owerful thunderstorm winds raked the city of Janesville. At least 50 large trees were uprooted, and numerous power-lines were down. A metal roof of a usiness was ripped off by the winds. Elsewhere, a tree fell on a flatbed truck (minor damage), and a carriage house roof was blown off. Heavy rains esulted in minor urban flooding and a couple stalled vehicles.  VALWORTH COUNTY 1.0 W DELAVAN [42.63, -88.65] 06/18/10 14:38 CST 0 Thunderstorm Wind (EG 52 kt) 06/18/10 14:38 CST 0 Source: Amateur Radio	rained spotter reported downed trees.				
06/18/10 14:26 CST 0.10M Thunderstorm Wind (EG 70 kt) 06/18/10 14:26 CST 0 Source: Trained Spotter  owerful thunderstorm winds raked the city of Janesville. At least 50 large trees were uprooted, and numerous power-lines were down. A metal roof of a usiness was ripped off by the winds. Elsewhere, a tree fell on a flatbed truck (minor damage), and a carriage house roof was blown off. Heavy rains esulted in minor urban flooding and a couple stalled vehicles.  VALWORTH COUNTY 1.0 W DELAVAN [42.63, -88.65] 06/18/10 14:38 CST 0 Thunderstorm Wind (EG 52 kt) 06/18/10 14:38 CST 0 Source: Amateur Radio	OCK COUNTY DOWNTOWN JANESVII	LLE [42.68, -89.02]			
owerful thunderstorm winds raked the city of Janesville. At least 50 large trees were uprooted, and numerous power-lines were down. A metal roof of a usiness was ripped off by the winds. Elsewhere, a tree fell on a flatbed truck (minor damage), and a carriage house roof was blown off. Heavy rains esulted in minor urban flooding and a couple stalled vehicles.  VALWORTH COUNTY 1.0 W DELAVAN [42.63, -88.65]  0 Thunderstorm Wind (EG 52 kt)  06/18/10 14:38 CST  0 Source: Amateur Radio				0.10M	Thunderstorm Wind (EG 70 kt)
usiness was ripped off by the winds. Elsewhere, a tree fell on a flatbed truck (minor damage), and a carriage house roof was blown off. Heavy rains esulted in minor urban flooding and a couple stalled vehicles.  VALWORTH COUNTY 1.0 W DELAVAN [42.63, -88.65]  06/18/10 14:38 CST  0 Thunderstorm Wind (EG 52 kt)  06/18/10 14:38 CST  0 Source: Amateur Radio		06/18/10 14:26 CST		0	
06/18/10 14:38 CST       0       Thunderstorm Wind (EG 52 kt)         06/18/10 14:38 CST       0       Source: Amateur Radio	usiness was ripped off by the winds. Elsev	where, a tree fell on a flatbed truck	-	-	
06/18/10 14:38 CST 0 Source: Amateur Radio	VALWORTH COUNTY 1.0 W DELAVAN				
		06/18/10 14:38 CST		0	· · ·
am Radio Operator reported estimated gusts up to 52 knots.		06/18/10 14:38 CST		0	Source: Amateur Radio
	am Radio Operator reported estimated que	sts up to 52 knots.			

WALWORTH COUNTY --- LAKE GENEVA [42.60, -88.43]

Page 13 of 52 Printed on: 02/10/2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/18/10 14:40 CST		25K	Thunderstorm Wind (MG 56 kt)
	06/18/10 14:40 CST		0	Source: Public
Public reported trees and power lines down	. A house was damaged resulting	in approximatley \$	2,000 worth of dam	nage.
WALWORTH COUNTY 3.0 E LAKE GEN				
	06/18/10 14:50 CST		0	Thunderstorm Wind (MG 55 kt)
	06/18/10 14:50 CST		0	Source: Mesonet
KENOSHA COUNTY KENOSHA AIRPOI	RT [42.60, -87.93]			
	06/18/10 15:09 CST		0	Thunderstorm Wind (MG 51 kt)
	06/18/10 15:09 CST		0	Source: ASOS
Measured 51 knot wind gust by ASOS at Ke	enosha Airport.			
WAUKESHA COUNTY MUKWONAGO [4	<b>42.87</b> , <b>-88.33</b> ]			
_	06/18/10 15:10 CST		0	Thunderstorm Wind (MG 66 kt)
	06/18/10 15:10 CST		0	Source: Trained Spotter
Powerful thunderstorm wind gusts toppled s	several large trees.			
KENOSHA COUNTY 3.0 SW DOWNTOW	VN KENOSHA [42.55, -87.87], 1.0 \$	S DOWNTOWN KE	NOSHA [42.57, -87	7.83]
	06/18/10 15:11 CST		0.10M	Thunderstorm Wind (EG 65 kt)
	06/18/10 15:11 CST		0	Source: Amateur Radio
KENOSHA COUNTY 3.0 SW DOWNTOW	VN KENOSHA [42.55, -87.87] 06/18/10 15:15 CST		10K	Thunderstorm Wind (EG 65 kt)
	06/18/10 15:15 CST		0	Source: Amateur Radio
Powerful thunderstorm wind gusts toppled soccurred.	several large trees and some powe	r-lines came down	. Minor urban flood	ding (water over the curb) also
WAUKESHA COUNTY MUSKEGO [42.9	·			T
	06/18/10 15:20 CST		0	Thunderstorm Wind (EG 65 kt)
	06/18/10 15:20 CST		0	Source: Trained Spotter
A trained spotter estimated a wind gust of 6	5 knots and a few large trees upro	oted or broken.		
KENOSHA COUNTY 9.0 SW DOWNTOW				
	06/18/10 15:26 CST		0	Thunderstorm Wind (EG 52 kt)
HAM and a considerate of the first of the second	06/18/10 15:26 CST	. I a a a a fara	0	Source: Amateur Radio
HAM radio operator estimated a thundersto	rm wind gust of 52 knots with a few	v large trees down.		
MILWAUKEE COUNTY (MKE)MITCHELI	L <b>APT MI [42.95, -87.90]</b> 06/18/10 15:31 CST		0	Thunderstorm Wind (MG 57 kt)
	06/18/10 15:31 CST		0	Source: ASOS
A bowing MCS developed in lowa ahead of was characterized by gusty winds with mithan 19,000 WE Energies' customers over and Kenosha.	of a cold front and pushed eastwa	ver lines down) as	Visconsin during t well as heavy rair	the afternoon. The event n. At one point, more
LAFAYETTE COUNTY 3.9 NNW GRATIC	OT [42.63, -90.04], 2.8 WNW WIOT	A [42.65, -90.00]		
	06/21/10 18:39 CST		15K	Tornado (EF1, L: 2.22 mi , W: 75 yd)

06/21/10 18:45 CST

Page 14 of 52 Printed on: 02/10/2011

Source: Law Enforcement

0

Location	Date/Time	Deaths &	Property &	Event Type and Details
		Injuries	Crop Dmg	

An EF1 tornado developed in a rural area about 4.5 miles southeast of Darlington about 1/2 mile southwest of the intersection of Walnut Road and Pecatonica Road. The tornado moved east-northeast for about 2.2 miles, and dissipated about 0.4 miles north of the intersection of Walnut Road and Tish Road. Tornadic damage was sporadic in the second-half of the tornado's life. One residence experienced siding and window damage. An outbuilding used as a garage on a farmstead lost its metal roof. One large hardwood tree was blown down and other tree limbs were broken. Minor crop damage was noted, but loss estimates were not available. The exact start location was Lat 42.63352 Lon. -90.04077. The exact end location was Lat. 42.64554 Lon. -90.00035. The EF-rating was based on DI 1 (SBO), DOD 5 which suggests wind speeds between 90 and 95 mph. Average path width was 50 yards.

#### DANE COUNTY --- 1.0 WSW CROSS PLAINS [43.11, -89.65], 0.8 WSW CROSS PLAINS [43.12, -89.64]

06/21/10 18:41 CST 15K Tornado (EF1, L: 0.16 mi , W: 40 yd)

06/21/10 18:43 CST 0 Source: Law Enforcement

A brief EF1 tornado spun up within the city of Cross Plains between Julius Street and Sylvia Pine Way and moved northeast to near the intersection of Caesar Street and Woodside Drive and dissipated. At least 3 homes had minor roof damage. A number of large trees were uprooted or broken in half. An in-ground basketball pole was bent to a 45 degree angle. Roof soffit and fascia siding was peeled off a municipal pool house. The severe thunderstorm become outflow dominated and resulted in straight line wind damage (trees) further northeast over rural areas northeast Cross Plains. some crop damage was seen, but loss estimates were unavailable. The exact start location was Lat. 43.114895 Lon. -89.647946. The exact end location was Lat. 43.11522 Lon. -89.645138. The EF-rating was based on DI 2 (TH), DOD 4 which suggests wind speeds between 90 and 100 mph. Average path width was 20 yards.

#### DANE COUNTY --- 2.0 NE CROSS PLAINS [43.14, -89.60]

06/21/10 18:45 CST 0 Thunderstorm Wind (EG 65 kt) 06/21/10 18:50 CST 0 Source: NWS Storm Survey

NWS survey team found numerous trees blown down by straight-line thunderstorm wind gusts estimated at 65 knots (75 mph).

#### GREEN COUNTY --- 3.3 NW JORDAN [42.69, -89.82]

06/21/10 19:03 CST 0 Thunderstorm Wind (EG 56 kt) 06/21/10 19:03 CST 0 Source: Law Enforcement

Law enforcement officials reported numerous trees blown down by thunderstorm wind gusts estimated at 56 knots (64 mph).

#### ROCK COUNTY --- EDGERTON [42.83, -89.07]

06/21/10 19:07 CST 0 Thunderstorm Wind (EG 65 kt) 06/21/10 19:12 CST 0 Source: Law Enforcement

Law enforcement officials reported numerous trees blown down by thunderstorm wind gusts estimated at 65 knots (74 mph).

#### DANE COUNTY --- MC FARLAND [43.02, -89.28]

06/21/10 19:15 CST 0 Hail (1.00 in) 06/21/10 19:15 CST 0 Source: Trained Spotter

#### JEFFERSON COUNTY --- 0.2 SW BUSSEYVILLE [42.90, -88.98], 1.1 NE BUSSEYVILLE [42.91, -88.96]

An EF1 tornado developed in Busseyville just south of the intersection of Draves Road and Loga Road, and moved northeast about 1.3 miles and dissipated at the intersection of STH 106 and Carcajou Rd. Thirty residential structures were minimally affected, 1 had minor damage, and 2 sustained major damage (one of which had a large tree collapse part of the structure). A vehicle was damaged when a large tree branch fell on it. Total private sector damage was estimated at \$620,000, which included \$590,000 for residential structures, \$25,000 for farm buildings, and \$5,000 for the damaged vehicle. Uprooted trees and snapped tree limbs were noted along the path of the tornado. Some crop damage was noted with a loss estimate of about \$10,000. Public sector service (non-damage) costs were limited to just debris clearance which totaled \$8,000. The exact start location was Lat.42.89798 Lon. -88.98371. The exact end location was Lat 42.91102 Lon. -88.96454. The EF-rating was based on DI 27 (TH) DOD3 which suggests wind speeds between 90 and 100 mph. The average path width was 50 yards.

#### ROCK COUNTY --- 2.0 E NEWVILLE [42.83, -88.98]

06/21/10 19:15 CST 0 Hail (1.50 in)

06/21/10 19:15 CST 10K Source: Emergency Manager

A severe thunderstorm produced hail up to 1.50 inches in diameter east of Newville just north of CTH N. A portion of a corn field was flattened by the hail.

DANE COUNTY --- 2.0 E ALBION [42.88, -89.03]

Page 15 of 52 Printed on: 02/10/2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/21/10 19:19 CST		0	Hail (1.50 in)
	06/21/10 19:19 CST		0	Source: Amateur Radio
DANE COUNTY DE FOREST [43.25, -89.33]				
	06/21/10 19:20 CST		0	Funnel Cloud
	06/21/10 19:20 CST		0	Source: Law Enforcement
Law enforcement officials reported a funnel cloud	d over De Forest. The time is e	estimated from rad	ar imagery.	
JEFFERSON COUNTY 2.0 SW FT ATKINSON	= =		4514	
	06/21/10 19:22 CST		15K	Hail (1.50 in)
	06/21/10 19:22 CST		0	Source: Public
The public reported large hail from a severe thun	derstorm that caused damage	to the roofs of se	veral homes.	
JEFFERSON COUNTY FT ATKINSON [42.93,	, -88.85]			
	06/21/10 19:24 CST		0	Hail (1.00 in)
	06/21/10 19:24 CST		0	Source: Amateur Radio
JEFFERSON COUNTY 4.7 SW FT ATKINSON	l [42.88, -88.92]			
	06/21/10 19:26 CST		0	Thunderstorm Wind (EG 70 kt)
	06/21/10 19:26 CST		0	Source: Newspaper
A local newspaper reported that thunderstorm wi	inds knocked down numerous t	trees wn southwe	st of Ft. Atkinson.	
SAUK COUNTY 1.0 E REEDSBURG [43.53, -	=		_	
	06/21/10 19:55 CST		0	Funnel Cloud
	06/21/10 19:55 CST		0	Source: Public
WAUKESHA COUNTY EAGLE [42.88, -88.47]	1			
	06/21/10 20:00 CST		0	Hail (1.50 in)
	06/21/10 20:05 CST		0	Source: Trained Spotter
WAUKESHA COUNTY 1.9 WSW EAGLE [42.8	87, -88.50], 1.9 SE JERICHO [4	42.86, -88.39]		
	06/21/10 20:11 CST		20.60M	Tornado (EF2, L: 5.22 mi , W: 880 yd)
	06/21/10 20:21 CST	15	0	Source: Law Enforcement
An EF2 tornado developed about 1.9 miles west-S, just west of CTH S and west of a horse-riding before dissipating about 1.94 miles southeast of minor injuries. One hundred thirty-four homes repart of the village. Another 75 homes were minir business that received major damage was a comall of the fencing, two trolleys, and 18 tables. On were lost, and 25 acres of trees were damaged. there were thousands of lightning streaks in the owere damaged or totaled. At Old World Wiscons damaged at this site alone, and a few buildings reached \$20,577,500, with business damage are were damaged, but loss estimates were not avail (non-damage) such as debris clean-up, security \$101,965. The starting point location was Lat. 42 on DI 2 (FR12) DOD 6 which suggests wind specified in the control of the suggests wind specified bris-ball appeared near Eagle within a classing the control of the control	ranch, and moved east-norther Jericho, just within Mukwonago eceived minor damage, 67 home mally affected. One business rangerial horse-riding ranch/weste of the biggest buildings on the the cone. All together, this tornado sin, an outdoor museum operate sustained minor damage. Over bund \$311,500, bringing total plable. Public sector structural cand public protection, road protesses as the sector structural cand public protection, road protesses as \$100.000.	hast through the Eigon County Park, 10 hes had major dan received major dan stern town at the lastern town and the lastern town and lastern town	agle and then move on feet east of Gernage, and 8 homes mage, while 18 bus beginning of the tord and turned. A door and said it looked lilaged thousands of sin Historical Socie anagement officials age to about \$20,88 hly about \$600, whi and other miscella as Lat.42.87100 Lo	ed due east and then east-southeast nevieve Drive. Fifteen people sustained is were destroyed, mainly in the southern sinesses had minor damage. The mado path. Damage was inflicted upon nkey was killed, four hayride wagons ke the Fourth of July fireworks finale - trees, and at least three dozen vehicles ty near Eagle, about 2500 tress were s estimated that residential damage 89,000. A few agricultural buildings ille public sector service costs aneous expenses were estimated at on88.40003. The EF-rating was based
WAUKESHA COUNTY DOUSMAN [43.02, -88	06/21/10 20:20 CST		0	Thunderstorm Wind (EG 60 kt)
	00/21/10 20.20 CST		0	Course Law Enforcement

Law enforcement officials reported a number of tress blown down across the town due to strong thunderstorm winds.

06/21/10 20:20 CST

Page 16 of 52 Printed on: 02/10/2011

Source: Law Enforcement

	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
WALWORTH COUNTY EAST TROY [42	2.78, -88.40]			
	06/21/10 20:34 CST		0	Thunderstorm Wind (EG 65 kt)
	06/21/10 20:34 CST		0	Source: Law Enforcement
Law enforcement officials reported trees a	nd power lines were blown down in r	multiple locations i	n East Troy due to	strong thunderstorm wind gusts.
WAUKESHA COUNTY 2.2 NNW BIG B	END [42.91, -88.21], 0.6 S TESS CO	RNERS [42.91, -88	3.10]	
	06/21/10 20:36 CST		0.43M	Tornado (EF1, L: 5.89 mi , W: 200 yd)
	06/21/10 20:48 CST		0	Source: Law Enforcement
intersection of Interstate 43 and STH 164. Woods Road and Durham Drive. The roof an air conditioning unit was blown off the r damaged when a wall collapsed and destr minor damage. Seventeen businesses we estimates was available. Total estimated other public service (non-damage) costs to road systems. Hundreds of trees were up Lon -88.09850. The EF-rating was based of	of the Tess Corners Fire Department oof. Several post office vehicles were oved half the building. All together, are minimally affected, and 1 sustains orivate sector damage was about \$4 otaled \$65,000; which included \$45,000 crooted or damaged. Starting location	nt tore off, and the re also damaged. 35 residential dwe led major damage. l30,000. Public se 000 for debris clea n point was Lat 42	U.S. Post Office but The building housing lings were minimal some crops were ctor structural damagnance, \$10,000 for 191015 Lon -88.214	uilding in Muskego was damaged when ng Muskego Beer and Liquor was badly lly affected, and 41 homes sustained damaged, but no information on loss age totaled about \$15,000. Additionally, protective measures, and \$10,000 for 483 with the ending point Lat 42.91118
RACINE COUNTY WIND LAKE [42.83,	-			T
	06/21/10 20:43 CST		0	Thunderstorm Wind (EG 60 kt)
Police officials reported many trees and po	06/21/10 20:43 CST		0	Source: Law Enforcement
	KLIN [42.84, -88.06]		0	Hail (1.00 in)
			0	Hail (1.00 in) Source: Trained Spotter
MILWAUKEE COUNTY 2.0 SSE FRANI	(LIN [42.84, -88.06] 06/21/10 20:46 CST 06/21/10 20:46 CST	KEGO [42.91, -88.	0	, ,
MILWAUKEE COUNTY 2.0 SSE FRANI	(LIN [42.84, -88.06] 06/21/10 20:46 CST 06/21/10 20:46 CST	KEGO [42.91, -88.	0	, ,
MILWAUKEE COUNTY 2.0 SSE FRANI	(LIN [42.84, -88.06] 06/21/10 20:46 CST 06/21/10 20:46 CST (EGO [42.91, -88.16], 1.0 NNE MUSI	KEGO [42.91, -88.	0	Source: Trained Spotter
MILWAUKEE COUNTY 2.0 SSE FRANI WAUKESHA COUNTY 1.5 WNW MUSH	(LIN [42.84, -88.06] 06/21/10 20:46 CST 06/21/10 20:46 CST (EGO [42.91, -88.16], 1.0 NNE MUSH 06/21/10 20:48 CST 06/21/10 20:48 CST	•	0 0 0 0	Source: Trained Spotter  Thunderstorm Wind (EG 65 kt) Source: Law Enforcement
MILWAUKEE COUNTY 2.0 SSE FRANI WAUKESHA COUNTY 1.5 WNW MUSK Law enforcement officials reported numero	CLIN [42.84, -88.06] 06/21/10 20:46 CST 06/21/10 20:46 CST  CEGO [42.91, -88.16], 1.0 NNE MUSI 06/21/10 20:48 CST 06/21/10 20:48 CST  object trees and power lines blown dow	•	0 0 0 0	Source: Trained Spotter  Thunderstorm Wind (EG 65 kt) Source: Law Enforcement
MILWAUKEE COUNTY 2.0 SSE FRANI WAUKESHA COUNTY 1.5 WNW MUSK Law enforcement officials reported numero	CLIN [42.84, -88.06] 06/21/10 20:46 CST 06/21/10 20:46 CST  CEGO [42.91, -88.16], 1.0 NNE MUSI 06/21/10 20:48 CST 06/21/10 20:48 CST  object trees and power lines blown dow	•	0 0 0 0	Source: Trained Spotter  Thunderstorm Wind (EG 65 kt) Source: Law Enforcement
MILWAUKEE COUNTY 2.0 SSE FRANI WAUKESHA COUNTY 1.5 WNW MUSK Law enforcement officials reported numero	CLIN [42.84, -88.06] 06/21/10 20:46 CST 06/21/10 20:46 CST  CEGO [42.91, -88.16], 1.0 NNE MUSI 06/21/10 20:48 CST 06/21/10 20:48 CST  object trees and power lines blown dow	•	0 0 0 0 ern quarter of the o	Source: Trained Spotter  Thunderstorm Wind (EG 65 kt) Source: Law Enforcement community.
MILWAUKEE COUNTY 2.0 SSE FRANI WAUKESHA COUNTY 1.5 WNW MUSK Law enforcement officials reported numero	CLIN [42.84, -88.06] 06/21/10 20:46 CST 06/21/10 20:46 CST  CEGO [42.91, -88.16], 1.0 NNE MUSI 06/21/10 20:48 CST 06/21/10 20:48 CST  Dus trees and power lines blown dow  IKLIN [42.86, -88.10] 06/21/10 20:55 CST 06/21/10 20:55 CST	•	0 0 0 0 ern quarter of the o	Source: Trained Spotter  Thunderstorm Wind (EG 65 kt) Source: Law Enforcement community.  Thunderstorm Wind (EG 56 kt)
MILWAUKEE COUNTY 2.0 SSE FRANK WAUKESHA COUNTY 1.5 WNW MUSK Law enforcement officials reported numero MILWAUKEE COUNTY 1.0 WSW FRANK Powerful thunderstorm winds snapped sor	CLIN [42.84, -88.06] 06/21/10 20:46 CST 06/21/10 20:46 CST  CEGO [42.91, -88.16], 1.0 NNE MUSH 06/21/10 20:48 CST 06/21/10 20:48 CST  Dus trees and power lines blown down  IKLIN [42.86, -88.10] 06/21/10 20:55 CST 06/21/10 20:55 CST  ne large trees.	•	0 0 0 0 ern quarter of the o	Source: Trained Spotter  Thunderstorm Wind (EG 65 kt) Source: Law Enforcement community.  Thunderstorm Wind (EG 56 kt)
MILWAUKEE COUNTY 2.0 SSE FRANK WAUKESHA COUNTY 1.5 WNW MUSK Law enforcement officials reported numero MILWAUKEE COUNTY 1.0 WSW FRANK	CLIN [42.84, -88.06] 06/21/10 20:46 CST 06/21/10 20:46 CST  CEGO [42.91, -88.16], 1.0 NNE MUSI 06/21/10 20:48 CST 06/21/10 20:48 CST  Dus trees and power lines blown down  IKLIN [42.86, -88.10] 06/21/10 20:55 CST 06/21/10 20:55 CST	•	0 0 0 0 ern quarter of the o	Source: Trained Spotter  Thunderstorm Wind (EG 65 kt) Source: Law Enforcement community.  Thunderstorm Wind (EG 56 kt)

HAM radio operator estimated 52 knot (60 mph) thunderstorm wind gusts in Sturtevant.

Strong to severe thunderstorms developed across much of south central and southeast Wisconsin during the evening of June 21, 2010. A vigorous upper level disturbance helped to support deep vertical motions in the atmosphere, along with strong deep layer wind shear. This lift acted on a warm and very moist atmosphere, carried into the region on a 40 to 50 knot low-level jet. The result was powerful rotating thunderstorms, with damaging straight line winds, large hail, and in this case, 5 tornadoes. At one point during the height of the event, around 48,000 customers in southeast Wisconsin were without electric power due to downed power lines. However, power-line and power-pole loss estimates were not available and do not show up as damage amounts in any individual event within this severe weather episode.

> Page 17 of 52 Printed on: 02/10/2011

Location Date/Time Deaths & Property & Event Type and Details Injuries Crop Dmg



June 21, 2010 Eagle EF-2 tornado path. Shading shows EF0, EF1, and EF2 damage areas.

06/23/10 03:25 CST

06/23/10 03:25 CST

WAUKESHA COUNTY 2.0 SW OCONOMOWO	C [43.10, -88.51]		
	06/23/10 02:45 CST	0	Thunderstorm Wind (EG 56 kt)
	06/23/10 02:45 CST	0	Source: Trained Spotter
A four-foot in diameter elm tree was blown over as	s well as several other smaller trees.		
WAUKESHA COUNTY LANNON [43.15, -88.17	1		
	06/23/10 02:50 CST	0	Hail (0.75 in)
	06/23/10 02:50 CST	0	Source: Trained Spotter
Hail size was estimated by a trained spotter.			
OZAUKEE COUNTY MEQUON [43.22, -87.98]			
	06/23/10 03:00 CST	1M	Lightning
	06/23/10 03:00 CST	0	Source: Emergency Manager
A lightning strike in the city of Mequon resulted in	a fire at a strip mall in the 1100 block	of North Port Washington	n Road that destroyed 9 businesses. Time is
estimated. Other severe weather was reported in	southern Wisconsin during the pre-d	awn hours of June 23, 20	010.
LAFAYETTE COUNTY NEW DIGGING [42.53,	-90.33]		

0

Trees reported down by law enforcement in the town of New Diggings.

Page 18 of 52 Printed on: 02/10/2011

Thunderstorm Wind (EG 56 kt)

Source: Law Enforcement

Location	Date/Time	Deaths &	Property &	Event Type and Details
DANE COUNTY DOWNTOWN MADISON	[43.07, -89.42]			
	06/23/10 03:30 CST		10K	Lightning
	06/23/10 03:30 CST		0	Source: Newspaper
Lightning struck a telephone line that resulted Time of event and damage amount are estim		ners losing telepho	ne service. Exact	location within the city is unknown.
LAFAYETTE COUNTY 1.0 N DARLINGTO	N [42.69, -90.12]			
	06/23/10 03:40 CST		0	Thunderstorm Wind (EG 56 kt)
	06/23/10 03:40 CST		0	Source: Law Enforcement
Law enforcement reported trees down 1 mile	north of Darlington.			
JEFFERSON COUNTY 3.0 W WATERTOV	VN [43.20, -88.78], 3.0 NE IXONIA	[43.18, -88.56], 3.	0 SE IXONIA [43.1	2, -88.56], 4.0 SW WATERTOWN
[43.16, -88.78]	06/23/10 04:30 CST		25K	Flash Flood (due to Heavy Rain)
	06/23/10 07:30 CST		5K	Source: Trained Spotter
Three to five inches of rain fell with a severe measured 3.25 inches of rain fell in 4 hours. I reached 1 to 3 feet. A few gravel shoulder w	Law enforcement officials closed l	ndustrial Road in I	,	
A warm front lifted through southern Wisco	onsin on the nose of a 30 knot lo	w-level jet. Good e	elevated instability	/MLCAPE

RACINE COUNTY --- 0.8 WNW STURTEVANT [42.70, -87.92], 0.8 S ELMWOOD PARK [42.69, -87.83]

damage as well as flash flooding in portions of Jefferson County and northwest Waukesha County.

06/27/10 12:20 CST 75K Tornado (EF1, L: 4.60 mi , W: 100 yd) 06/27/10 12:28 CST 1 0 Source: NWS Storm Survey

A tornado spun up just northwest of the village of Sturtevant just northwest of the intersection of STH 11 and Wisconsin St., and moved east-southeast through the northern part of the village before dissipating in the Elmwood Park area near the intersection of Taylor Ave and Meachem Rd. It damaged two doors of the Sturtevant Fire Department, damaged the roofs and windows of two homes, uprooted a tree that crashed through another home, and knocked over another tree that damage a truck. One person was injured when the tornado winds rushed into her home and pushed her three feet against a banister. Numerous vehicles in a WalMart parking lot had broken windows from airborne debris. It overturned, moved, and slightly damaged two trailers about 50 yards at a local business where it also snapped 3 light poles. At least two to three dozen trees were uprooted or had broken limbs. The beginning and ending lat/lon pairs of numbers were: 42.70306/-87.91533 and 42.68797/-8782715. The EF-rating was based on DI 27 (FR12), DOD3 EXP, which suggests maximum wind speeds about 95 to 100 mph.

Elsewhere, rear flank downdraft winds from the storm produced scattered minor damage over the extreme southeast corner of Racine County and northeast Kenosha County. The thunderstorm may also have produced a waterspout as it moved out over Lake Michigan about 1 mile north-northeast of the intersection of State Highway 32 and County Highway KR. However, there was no confirmation.

Scattered thunderstorms developed along an outflow boundary left over from convection earlier in the day, and then moved east along the boundary from Southwest Wisconsin to Southeast Wisconsin during the late morning and early afternoon hours. Though the convection was low-top, decent CAPE values, 0-3KM shear and helicity provided the environment for a thunderstorm cell to produce tornado in Racine County. The tornado produced EF1 damage as it moved east-southeast through the northern part of Sturtevant.

2000-3000J/kg...and 40 to 50 knots of deep layer shear supported an MCS as it tracked from northern lowa across southern Wisconsin during the early morning hours of June 23rd. Although the complex weakened as it crossed Wisconsin, it still produced scattered wind

Page 19 of 52 Printed on: 02/10/2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
LAKE MICHIGAN				
SHEBOYGAN TO PT WASHING	FON WI COUNTY 1.4 E SHEBOYGAN [43.7 07/14/10 23:50 CST	75, -87.69]	0	Marine Thunderstorm Wind (MG 45 kt)
	07/14/10 23:50 CST		0	Source: C-MAN Station
PT WASHINGTON TO NORTH P	T LT WI COUNTY 0.6 N PORT WASHINGT	ON [43.39, -87.87]	]	
	07/15/10 00:02 CST		0	Marine Thunderstorm Wind (MG 38 kt)
	07/15/10 00:02 CST		0	Source: C-MAN Station
WIND PT LT WI TO WINTHROP I	HBR IL COUNTY 1.2 ENE KENOSHA [42.5	9, -87.81]		
	07/15/10 01:10 CST		0	Marine Thunderstorm Wind (MG 46 kt)
	07/15/10 01:20 CST		0	Source: C-MAN Station
Frequent wind gusts 37 to 46 knd	ots in the 10 minute period.			
Line of strong to severe thunde	rstorms swept across eastern Wisconsin an	d the nearshore v	vaters of Lake Mic	higan.
WIND PT LT WI TO WINTHROP I	HBR IL COUNTY 1.2 ENE KENOSHA [42.5	9, -87.81]		
	07/15/10 11:10 CST		0	Marine Thunderstorm Wind (MG 38 kt)
	07/15/10 11:20 CST		0	Source: C-MAN Station
Frequent gusts to 38 knots in the	10 minute period.			
An isolated strong thunderstorn	n affected the nearshore waters of Lake Micl	higan south of Wi	ind Point.	
·				
SHEBOYGAN TO PT WASHING	FON WI COUNTY 1.4 E SHEBOYGAN [43.7	<b>7</b> 5, -87.69]		
	07/15/10 20:10 CST		0	Marine Thunderstorm Wind (MG 41 kt)
	07/15/10 20:10 CST		0	Source: C-MAN Station
A line of thunderstorms affected	d the Lake Michigan nearshore waters produ	icing damaging w	rind gusts.	
WIND PT LT WI TO WINTHROP I	HBR IL COUNTY 1.2 ENE KENOSHA [42.5	9, -87.81]		
	07/22/10 20:40 CST		0	Marine Thunderstorm Wind (MG 48 kt)
	07/22/10 21:00 CST		0	Source: C-MAN Station
Frequent wind gusts from 38 know	ts to 48 knots during the 20 minute period.			
Numerous strong to severe thus	nderstorms affected the nearshore waters of	f Lake Michigan.		
WISCONSIN, Southeast				
COLUMBIA COUNTY 3.0 SW	CAMBRIA [43.52, -89.14], 2.1 ESE CAMBRIA	[43.54, -89.06]	0.4014	Tamada (FF4 I. 400 - 114 405 - 11
	07/07/10 17:27 CST		0.10M	Tornado (EF1, L: 4.23 mi , W: 125 yd)
	07/07/10 17:41 CST		5K	Source: NWS Storm Survey
·	2.5 miles southwest of Cambria, about 0.25 n 2.1 miles east-southeast of Cambria, ending n			
· ·	of a barn, ripped the fabric off of a shed, move	-		•
	I 5 acres of wheat were flattened, and numero imated wind speed of 90 to 95 mph was based n is Lat 43.53732 Lon -89.06274.	-		- · ·
COLUMBIA COUNTY 2.5 SW	CAMBRIA [43.52, -89.14]			
	07/07/10 17:30 CST		0	Hail (1 25 in)

07/07/10 17:30 CST

07/07/10 17:30 CST

Page 20 of 52 Printed on: 02/10/2011

Hail (1.25 in)

Source: Public

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Lakes region by the southern end of	storms developed ahead of a surface co f an upper tough. The front moved into kg to 1500 J/kg. Though overall wind sh mbia County to become tornadic.	a moist, unstable	air mass over sou	thern Wisconsin, with
DODGE COUNTY 3.0 W WAUPUN	I [43.63, -88.79]			
	07/10/10 16:00 CST		0	Thunderstorm Wind (EG 50 kt)
	07/10/10 16:00 CST		0	Source: Law Enforcement
aw enforcement reported power line	es down on the Dodge County side of Cou	unty Highway AW d	lue to thunderstorm	n wind gusts.
VAUKESHA COUNTY MUSKEGO			0	Hail (0.75 in)
	07/10/10 18:01 CST 07/10/10 18:01 CST		0	Hail (0.75 in) Source: Law Enforcement
The Musicage Delice Department resu			· ·	Source: Eaw Emorechient
The Muskego Police Department repo	orted 3/4 inch hall fell in the city.			
3000J/kg, to produce scattered stroi	al Wisconsin combined with a moist un ng to severe thunderstorms over portion neter were produced by the thunderstor	ns of Southeast W		
FOND DU LAC COUNTY 3.0 S RO	• • •		•	5 10 1
	07/11/10 15:20 CST		0	Funnel Cloud
	07/11/10 15:20 CST		0	Source: Trained Spotter
A trained spotter reported a funnel clo	oud descending from a rotating wall cloud	3 miles south of R	losendale.	
GREEN COUNTY 7.0 SW BRODHI				
GREEN COUNTY 7.0 SW BRODHI	EAD [42.55, -89.47] 07/12/10 16:13 CST		0	Funnel Cloud
GREEN COUNTY 7.0 SW BRODHI			0	Funnel Cloud Source: Trained Spotter
	07/12/10 16:13 CST	ad.	-	
A trained spotter reported a rotating fo	07/12/10 16:13 CST 07/12/10 16:13 CST		0	Source: Trained Spotter
A trained spotter reported a rotating for Funnel clouds and rotating wall clouds	07/12/10 16:13 CST 07/12/10 16:13 CST unnel cloud 7 miles southwest of Brodhea uds were reported in Fond Du Lac Cour		0	Source: Trained Spotter
A trained spotter reported a rotating for Funnel clouds and rotating wall clouds	07/12/10 16:13 CST 07/12/10 16:13 CST unnel cloud 7 miles southwest of Brodhea uds were reported in Fond Du Lac Cour		0	Source: Trained Spotter
A trained spotter reported a rotating for Funnel clouds and rotating wall clou	07/12/10 16:13 CST 07/12/10 16:13 CST unnel cloud 7 miles southwest of Brodher uds were reported in Fond Du Lac Cour		0 ad in Green County	Source: Trained Spotter  y on July 12th.
A trained spotter reported a rotating for Funnel clouds and rotating wall clouds (WI-Z062) IOWA, (WI-Z067) LAFAYE Clearing skies and moist air due to a	07/12/10 16:13 CST 07/12/10 16:13 CST  unnel cloud 7 miles southwest of Brodher uds were reported in Fond Du Lac Cour  TTE, (WI-Z068) GREEN 07/11/10 22:00 CST	nty on July 11th an	0 od in Green County 0 0	Source: Trained Spotter  y on July 12th.  Dense Fog  ce dense fog over
A trained spotter reported a rotating for funnel clouds and rotating wall clouds.  (WI-Z062) IOWA, (WI-Z067) LAFAYET Clearing skies and moist air due to a portions of South Central Wisconsing.	07/12/10 16:13 CST 07/12/10 16:13 CST unnel cloud 7 miles southwest of Brodher uds were reported in Fond Du Lac Cour TTE, (WI-Z068) GREEN 07/11/10 22:00 CST 07/12/10 07:00 CST recent rains, combined with light winds n. Visibilities were reduced to 1/4 mile of	nty on July 11th an	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Source: Trained Spotter  y on July 12th.  Dense Fog  ce dense fog over am CDT on July 12th.
A trained spotter reported a rotating for funnel clouds and rotating wall clouds.  (WI-Z062) IOWA, (WI-Z067) LAFAYET Clearing skies and moist air due to a portions of South Central Wisconsing.	07/12/10 16:13 CST 07/12/10 16:13 CST  unnel cloud 7 miles southwest of Brodher uds were reported in Fond Du Lac Cour  TTE, (WI-Z068) GREEN 07/11/10 22:00 CST 07/12/10 07:00 CST  recent rains, combined with light winds n. Visibilities were reduced to 1/4 mile of	nty on July 11th an	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Source: Trained Spotter  y on July 12th.  Dense Fog  ce dense fog over
A trained spotter reported a rotating for Funnel clouds and rotating wall clouds.  (WI-Z062) IOWA, (WI-Z067) LAFAYET Clearing skies and moist air due to a portions of South Central Wisconsing (WI-Z072) KENOSHA	07/12/10 16:13 CST 07/12/10 16:13 CST unnel cloud 7 miles southwest of Brodher uds were reported in Fond Du Lac Cour TTE, (WI-Z068) GREEN 07/11/10 22:00 CST 07/12/10 07:00 CST recent rains, combined with light winds n. Visibilities were reduced to 1/4 mile of	and cooling tempor less from around	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Source: Trained Spotter  y on July 12th.  Dense Fog  ce dense fog over am CDT on July 12th.  Dense Fog  ha County, beginning
A trained spotter reported a rotating for Funnel clouds and rotating wall clouds.  WI-Z062) IOWA, (WI-Z067) LAFAYET Clearing skies and moist air due to a contions of South Central Wisconsing.  WI-Z072) KENOSHA  A combination of clear skies, light we during the late night hours of July 1	07/12/10 16:13 CST 07/12/10 16:13 CST unnel cloud 7 miles southwest of Brodher uds were reported in Fond Du Lac Cour  TTE, (WI-Z068) GREEN 07/11/10 22:00 CST 07/12/10 07:00 CST  recent rains, combined with light winds n. Visibilities were reduced to 1/4 mile of 07/13/10 22:00 CST 07/14/10 04:00 CST	and cooling tempor less from around	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 see fog over Kenosi	Source: Trained Spotter  y on July 12th.  Dense Fog  ce dense fog over am CDT on July 12th.  Dense Fog  ha County, beginning educed to 1/4 mile or less.
A trained spotter reported a rotating for trained spotter reported a rotating wall clouds.  WI-Z062) IOWA, (WI-Z067) LAFAYET Clearing skies and moist air due to a portions of South Central Wisconsin WI-Z072) KENOSHA  A combination of clear skies, light was during the late night hours of July 1	07/12/10 16:13 CST 07/12/10 16:13 CST  unnel cloud 7 miles southwest of Brodher uds were reported in Fond Du Lac Cour  TTE, (WI-Z068) GREEN 07/11/10 22:00 CST 07/12/10 07:00 CST  recent rains, combined with light winds n. Visibilities were reduced to 1/4 mile of 07/13/10 22:00 CST 07/14/10 04:00 CST	and cooling tempor less from around	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 see fog over Kenosi	Source: Trained Spotter  y on July 12th.  Dense Fog  ce dense fog over am CDT on July 12th.  Dense Fog  ha County, beginning educed to 1/4 mile or less.
A trained spotter reported a rotating for Funnel clouds and rotating wall clouds.  [WI-Z062] IOWA, (WI-Z067) LAFAYET Clearing skies and moist air due to portions of South Central Wisconsing (WI-Z072) KENOSHA  A combination of clear skies, light was during the late night hours of July 1	07/12/10 16:13 CST 07/12/10 16:13 CST unnel cloud 7 miles southwest of Brodher uds were reported in Fond Du Lac Cour  TTE, (WI-Z068) GREEN 07/11/10 22:00 CST 07/12/10 07:00 CST  recent rains, combined with light winds n. Visibilities were reduced to 1/4 mile of 07/13/10 22:00 CST 07/14/10 04:00 CST winds and abundant near-ground moister 13th and lasting into the early morning in	and cooling tempor less from around	o o o o o o o o o o o o o o o o o o o	Source: Trained Spotter  y on July 12th.  Dense Fog  ce dense fog over am CDT on July 12th.  Dense Fog  ha County, beginning educed to 1/4 mile or less.
A trained spotter reported a rotating for Funnel clouds and rotating wall clouds.  [WI-Z062] IOWA, (WI-Z067) LAFAYET Clearing skies and moist air due to a contions of South Central Wisconsing WI-Z072) KENOSHA  A combination of clear skies, light wall during the late night hours of July 1 (WI-Z062) IOWA, (WI-Z063) DANE, (WI-Z062) IOWA, (WI-Z063) DANE, (WI-Z063) IOWA, (WI-Z063) DANE, (WI-Z063) IOWA, (WI-Z063) DANE, (WI-Z063) IOWA, (WI-Z063) IOW	07/12/10 16:13 CST 07/12/10 16:13 CST  unnel cloud 7 miles southwest of Brodher uds were reported in Fond Du Lac Cour  TTE, (WI-Z068) GREEN 07/11/10 22:00 CST 07/12/10 07:00 CST  recent rains, combined with light winds n. Visibilities were reduced to 1/4 mile of 07/13/10 22:00 CST 07/14/10 04:00 CST  winds and abundant near-ground moister 13th and lasting into the early morning in WI-Z064) JEFFERSON, (WI-Z067) LAFAY 07/14/10 16:00 CST 07/14/10 16:00 CST	and cooling tempor less from around	o o o o o o o o o o o o o o o o o o o	Source: Trained Spotter  y on July 12th.  Dense Fog  ce dense fog over am CDT on July 12th.  Dense Fog  ha County, beginning educed to 1/4 mile or less.  ROCK Heat
A trained spotter reported a rotating for Funnel clouds and rotating wall clouds.  (WI-Z062) IOWA, (WI-Z067) LAFAYET Clearing skies and moist air due to a portions of South Central Wisconsing (WI-Z072) KENOSHA  A combination of clear skies, light wall during the late night hours of July 1 (WI-Z062) IOWA, (WI-Z063) DANE, (WI-Z062) IOWA, (WI-Z063) DANE, (WI-Z063) IOWA, (WI-Z063) DANE, (WI-Z063) IOWA, (WI-Z063) IO	07/12/10 16:13 CST 07/12/10 16:13 CST  unnel cloud 7 miles southwest of Brodher uds were reported in Fond Du Lac Cour  TTE, (WI-Z068) GREEN 07/11/10 07:00 CST 07/12/10 07:00 CST  recent rains, combined with light winds n. Visibilities were reduced to 1/4 mile of 07/13/10 22:00 CST 07/14/10 04:00 CST  winds and abundant near-ground moists 13th and lasting into the early morning in WI-Z064) JEFFERSON, (WI-Z067) LAFAY 07/14/10 16:00 CST 07/14/10 16:00 CST  in Wisconsin, bringing a hot and humid a ex values between 100 and 104.	and cooling tempor less from around	o o o o o o o o o o o o o o o o o o o	Source: Trained Spotter  y on July 12th.  Dense Fog  ce dense fog over am CDT on July 12th.  Dense Fog  ha County, beginning educed to 1/4 mile or less.  ROCK Heat
Funnel clouds and rotating wall clouds (WI-Z062) IOWA, (WI-Z067) LAFAYE'  Clearing skies and moist air due to a portions of South Central Wisconsin (WI-Z072) KENOSHA  A combination of clear skies, light wall during the late night hours of July 1 (WI-Z062) IOWA, (WI-Z063) DANE, (WI-Z063) DANE, (WI-Z063)	07/12/10 16:13 CST 07/12/10 16:13 CST  unnel cloud 7 miles southwest of Brodher uds were reported in Fond Du Lac Cour  TTE, (WI-Z068) GREEN 07/11/10 07:00 CST 07/12/10 07:00 CST  recent rains, combined with light winds n. Visibilities were reduced to 1/4 mile of 07/13/10 22:00 CST 07/14/10 04:00 CST  winds and abundant near-ground moists 13th and lasting into the early morning in WI-Z064) JEFFERSON, (WI-Z067) LAFAY 07/14/10 16:00 CST 07/14/10 16:00 CST  in Wisconsin, bringing a hot and humid a ex values between 100 and 104.	and cooling tempor less from around	o o o o o o o o o o o o o o o o o o o	Source: Trained Spotter  y on July 12th.  Dense Fog  ce dense fog over am CDT on July 12th.  Dense Fog  ha County, beginning educed to 1/4 mile or less.  ROCK Heat

Page 21 of 52 Printed on: 02/10/2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
SAUK COUNTY 2.0 NW LAKE DEL				
	07/14/10 18:33 CST		0	Thunderstorm Wind (EG 50 kt)
	07/14/10 18:33 CST		0	Source: Public
he public reported a thunderstorm wir	nd gust estimates at 50 knots (58 mph).			
OODGE COUNTY 2.0 NW FOX LAK				
	07/14/10 19:05 CST		0	Thunderstorm Wind (EG 52 kt)
	07/14/10 19:05 CST		0	Source: Public
he public reported a thunderstorm wir	nd gust estimated at 60 mph (52 knots).			
SHEBOYGAN COUNTY 5.0 W CAS	CADE [43.67, -88.10]			
	07/14/10 19:42 CST		0	Thunderstorm Wind (EG 52 kt)
	07/14/10 19:42 CST		0	Source: Public
he public reported trees blown down l	by thunderstorm wind gusts estimated at	52 knots (60 mph	).	
VASHINGTON COUNTY HARTFOR	RD [43.32, -88.38]			
	07/14/10 19:53 CST		10K	Thunderstorm Wind (EG 52 kt)
	07/14/10 19:53 CST		0	Source: Emergency Manager
ne emergency manager or wasningto ocations in the county.	on County reported trees and power lines	s blown down by tr	nunderstorm wind	gusts in Harttord and a few other
•	DELLS [43.63, -89.77], PORTAGE [43.55	5, -89.45]		
•	DELLS [43.63, -89.77], PORTAGE [43.55 07/14/10 22:00 CST	5, -89.45]	20K	Thunderstorm Wind (EG 61 kt)
COLUMBIA COUNTY WISCONSIN			0	Source: Trained Spotter
COLUMBIA COUNTY WISCONSIN OF A trained spotter reported trees and potter to Portage.	07/14/10 22:00 CST 07/14/10 22:18 CST ower lines blown down by thunderstorm w		0	Source: Trained Spotter
COLUMBIA COUNTY WISCONSIN OF A trained spotter reported trees and populs to Portage.	07/14/10 22:00 CST 07/14/10 22:18 CST ower lines blown down by thunderstorm w		0 ed at 70 mph (61	Source: Trained Spotter knots) along a path from the Wisconsin
COLUMBIA COUNTY WISCONSIN A trained spotter reported trees and populs to Portage.  MARQUETTE COUNTY 2.5 NNE BE	07/14/10 22:00 CST 07/14/10 22:18 CST ower lines blown down by thunderstorm was registered by the company of th	vind gusts estimate	0 ed at 70 mph (61 0 0	Source: Trained Spotter knots) along a path from the Wisconsin Thunderstorm Wind (EG 52 kt)
A trained spotter reported trees and po Dells to Portage.  MARQUETTE COUNTY 2.5 NNE BR	07/14/10 22:00 CST 07/14/10 22:18 CST  ower lines blown down by thunderstorm was respectively a serious properties of the control of the cont	vind gusts estimate	0 ed at 70 mph (61 0 0 0	Source: Trained Spotter  knots) along a path from the Wisconsin  Thunderstorm Wind (EG 52 kt)  Source: Fire Department/Rescue
A trained spotter reported trees and po Dells to Portage.  MARQUETTE COUNTY 2.5 NNE BR	07/14/10 22:00 CST 07/14/10 22:18 CST  ower lines blown down by thunderstorm was read to be a second of the control of the con	vind gusts estimate	0 ed at 70 mph (61 0 0 h).	Source: Trained Spotter knots) along a path from the Wisconsin  Thunderstorm Wind (EG 52 kt) Source: Fire Department/Rescue  Thunderstorm Wind (EG 56 kt)
A trained spotter reported trees and po Dells to Portage.  MARQUETTE COUNTY 2.5 NNE BR	07/14/10 22:00 CST 07/14/10 22:18 CST  ower lines blown down by thunderstorm was respectively a serious properties of the control of the cont	vind gusts estimate	0 ed at 70 mph (61 0 0 0	Source: Trained Spotter  knots) along a path from the Wisconsin  Thunderstorm Wind (EG 52 kt)  Source: Fire Department/Rescue
A trained spotter reported trees and po Dells to Portage.  MARQUETTE COUNTY 2.5 NNE BR	07/14/10 22:00 CST 07/14/10 22:18 CST  ower lines blown down by thunderstorm was read to be a second of the control of the con	vind gusts estimate	0 ed at 70 mph (61 0 0 h).	Source: Trained Spotter  knots) along a path from the Wisconsin  Thunderstorm Wind (EG 52 kt) Source: Fire Department/Rescue  Thunderstorm Wind (EG 56 kt) Source: Law Enforcement
A trained spotter reported trees and po Dells to Portage.  MARQUETTE COUNTY 2.5 NNE BR  Fire department personnel reported the  COLUMBIA COUNTY 10.0 W COLU  Law enforcement personnel reported tr	07/14/10 22:00 CST 07/14/10 22:18 CST  ower lines blown down by thunderstorm was respectively a compared to the compared to th	vind gusts estimated at	0 ed at 70 mph (61 0 0 h). 0 0 56 knots (65 mp	Source: Trained Spotter  knots) along a path from the Wisconsin  Thunderstorm Wind (EG 52 kt) Source: Fire Department/Rescue  Thunderstorm Wind (EG 56 kt) Source: Law Enforcement  h).
A trained spotter reported trees and po Dells to Portage.  MARQUETTE COUNTY 2.5 NNE BR  Fire department personnel reported the  COLUMBIA COUNTY 10.0 W COLU  Law enforcement personnel reported tr	07/14/10 22:00 CST 07/14/10 22:18 CST  ower lines blown down by thunderstorm was riggsville [43.68, -89.56] 07/14/10 22:02 CST 07/14/10 22:02 CST understorm wind gusts up to an estimated state of the	vind gusts estimated at	0 ed at 70 mph (61 0 0 ) 0 h). 0 0 56 knots (65 mp	Source: Trained Spotter  knots) along a path from the Wisconsin  Thunderstorm Wind (EG 52 kt) Source: Fire Department/Rescue  Thunderstorm Wind (EG 56 kt) Source: Law Enforcement  h).
COLUMBIA COUNTY WISCONSIN IN A trained spotter reported trees and populis to Portage.  MARQUETTE COUNTY 2.5 NNE BRETTE DEPORTED TO THE POPULATION OF	07/14/10 22:00 CST 07/14/10 22:18 CST  ower lines blown down by thunderstorm was regressional properties of the properti	vind gusts estimated at	0 ed at 70 mph (61 0 0 0 h).  0 0 56 knots (65 mp	Source: Trained Spotter  knots) along a path from the Wisconsin  Thunderstorm Wind (EG 52 kt) Source: Fire Department/Rescue  Thunderstorm Wind (EG 56 kt) Source: Law Enforcement  h).  15, -89.70], 2.0 SW ROCK SPGS [43.46, Flash Flood (due to Heavy Rain)
A trained spotter reported trees and poolells to Portage.  MARQUETTE COUNTY 2.5 NNE BR  Fire department personnel reported the  COLUMBIA COUNTY 10.0 W COLU  Law enforcement personnel reported trees  BAUK COUNTY 2.0 N ROCK SPGS  89.95]  The Sauk County Emergency Manager  Operations in Rock Springs along the result of heavy rains from strong to	07/14/10 22:00 CST 07/14/10 22:18 CST  ower lines blown down by thunderstorm was regarded by the state of the	vind gusts estimated at 9, -89.70], 2.0 SE some roads, main ofter reported street. A farmer near l	0 ed at 70 mph (61 0 0 0 h). 0 56 knots (65 mp BARABOO [43.4 30K 10K hly in the northerset flooding along along along a Valle lost 30 h	Source: Trained Spotter  knots) along a path from the Wisconsin  Thunderstorm Wind (EG 52 kt) Source: Fire Department/Rescue  Thunderstorm Wind (EG 56 kt) Source: Law Enforcement  h).  15, -89.70], 2.0 SW ROCK SPGS [43.46, Flash Flood (due to Heavy Rain) Source: Emergency Manager  n portion of the countywith sandbagging Highway 33 in Baraboo. The flooding was
A trained spotter reported trees and ported to Portage.  MARQUETTE COUNTY 2.5 NNE BEFORE THE DESTRUCTION OF THE PROPERTY 10.0 W COLUMBIA COUNTY 10.0 W COLUMBIA COUNTY 10.0 W COLUMBIA COUNTY 2.0 N ROCK SPGS -89.95]  The Sauk County Emergency Manager operations in Rock Springs along the result of heavy rains from strong to left high ground into the rushing waters	07/14/10 22:00 CST 07/14/10 22:18 CST  ower lines blown down by thunderstorm with the state of t	vind gusts estimated at 9, -89.70], 2.0 SE some roads, main ofter reported street. A farmer near l	0 ed at 70 mph (61 0 0 0 h). 0 56 knots (65 mp BARABOO [43.4 30K 10K hly in the northerset flooding along along along a Valle lost 30 h	Source: Trained Spotter  knots) along a path from the Wisconsin  Thunderstorm Wind (EG 52 kt) Source: Fire Department/Rescue  Thunderstorm Wind (EG 56 kt) Source: Law Enforcement  h).  15, -89.70], 2.0 SW ROCK SPGS [43.46, Flash Flood (due to Heavy Rain) Source: Emergency Manager  n portion of the countywith sandbagging Highway 33 in Baraboo. The flooding was
A trained spotter reported trees and populis to Portage.  MARQUETTE COUNTY 2.5 NNE BR  Fire department personnel reported the  COLUMBIA COUNTY 10.0 W COLU  Law enforcement personnel reported trees  SAUK COUNTY 2.0 N ROCK SPGS  89.95]  The Sauk County Emergency Manager operations in Rock Springs along the result of heavy rains from strong to	07/14/10 22:00 CST 07/14/10 22:18 CST  ower lines blown down by thunderstorm with the state of t	vind gusts estimated at 9, -89.70], 2.0 SE some roads, main ofter reported street. A farmer near l	0 ed at 70 mph (61 0 0 0 h). 0 56 knots (65 mp BARABOO [43.4 30K 10K hly in the northerset flooding along along along a Valle lost 30 h	Source: Trained Spotter  knots) along a path from the Wisconsin  Thunderstorm Wind (EG 52 kt) Source: Fire Department/Rescue  Thunderstorm Wind (EG 56 kt) Source: Law Enforcement  h).  15, -89.70], 2.0 SW ROCK SPGS [43.46, Flash Flood (due to Heavy Rain) Source: Emergency Manager  n portion of the countywith sandbagging Highway 33 in Baraboo. The flooding was

DODGE COUNTY --- 1.0 NE BEAVER DAM [43.48, -88.82]

Page 22 of 52 Printed on: 02/10/2011

A trained spotter estimated thunderstorm wind g	07/14/10 22:58 CST	Injuries	Property & Crop Dmg	Event Type and Details
			0	Thunderstorm Wind (EG 52 kt)
	07/14/10 22:58 CST		0	Source: Trained Spotter
SAUK COUNTY 7.0 W LA VALLE [43.58, -90	justs up to 52 knots (60 mph).			
	<del>-</del>			
	07/14/10 23:00 CST		0	Thunderstorm Wind (EG 56 kt)
	07/14/10 23:00 CST		0	Source: Public
The public reported trees blown down by thunde	erstorm wind gusts estimated u	p to 56 knots (70 r	nph).	
WASHINGTON COUNTY 3.4 SW WEST BEN				
	07/14/10 23:20 CST		20K	Lightning
	07/14/10 23:30 CST		0	Source: Fire Department/Rescue
The West Bend Fire Department responded to for near the intersection of CTH NN and Scenic Rd.		o lightning strikes a	and power line dam	age due to lightning strikes, including
DODGE COUNTY MAYVILLE [43.50, -88.55]	07/44/40 00:00 00:		417	Thursdoorteen Wind (FO OF LD)
	07/14/10 23:22 CST		1K	Thunderstorm Wind (EG 65 kt)
	07/14/10 23:22 CST		0	Source: Law Enforcement
Law enforcement reported a power pole snappe	d by strong thunderstorm wind	gusts estimated u	ip to 65 knots (75 n	nph).
SHEBOYGAN COUNTY 2.0 W GREENBUSH				
	07/14/10 23:30 CST		0	Thunderstorm Wind (EG 52 kt)
	07/14/10 23:30 CST		0	Source: Law Enforcement
Law enforcement officials reported trees blown of		sts estimated up to	52 knots (60 mph	).
WASHINGTON COUNTY 5 0 N SI INGER (43	40 -88 281			
WASHINGTON COUNTY 5.0 N SLINGER [43			0	Thunderstorm Wind (EG 52 kt)
WASHINGTON COUNTY 5.0 N SLINGER [43	.40, -88.28] 07/14/10 23:40 CST 07/14/10 23:40 CST		0	Thunderstorm Wind (EG 52 kt) Source: Law Enforcement
	07/14/10 23:40 CST 07/14/10 23:40 CST	sts estimated up to	0	Source: Law Enforcement
Law enforcement officials reported trees blown o	07/14/10 23:40 CST 07/14/10 23:40 CST down by thunderstorm wind gu	sts estimated up to	0	Source: Law Enforcement
Law enforcement officials reported trees blown o	07/14/10 23:40 CST 07/14/10 23:40 CST down by thunderstorm wind gu	sts estimated up to	0	Source: Law Enforcement
Law enforcement officials reported trees blown o	07/14/10 23:40 CST 07/14/10 23:40 CST down by thunderstorm wind gu:	sts estimated up to	0 52 knots (60 mph	Source: Law Enforcement ).
Law enforcement officials reported trees blown of the second waves and the second seco	07/14/10 23:40 CST 07/14/10 23:40 CST down by thunderstorm wind gual 17, -88.14] 07/14/10 23:55 CST 07/14/10 23:55 CST		0 0 52 knots (60 mph 0 0	Source: Law Enforcement ).  Thunderstorm Wind (EG 52 kt)
Law enforcement officials reported trees blown of waukesha county 2.0 NE LANNON [43.4]  The public reported trees blown down by thunder	07/14/10 23:40 CST 07/14/10 23:40 CST down by thunderstorm wind gual 17, -88.14] 07/14/10 23:55 CST 07/14/10 23:55 CST erstorm wind gusts estimated u		0 0 52 knots (60 mph 0 0 mph).	Source: Law Enforcement ).  Thunderstorm Wind (EG 52 kt) Source: Public
.aw enforcement officials reported trees blown on the control of t	07/14/10 23:40 CST 07/14/10 23:40 CST down by thunderstorm wind gual 17, -88.14] 07/14/10 23:55 CST 07/14/10 23:55 CST erstorm wind gusts estimated u 07/15/10 00:00 CST		0 0 52 knots (60 mph 0 0 mph).	Source: Law Enforcement ).  Thunderstorm Wind (EG 52 kt) Source: Public  Thunderstorm Wind (EG 52 kt)
Law enforcement officials reported trees blown of waukesha county 2.0 NE LANNON [43.4]  The public reported trees blown down by thunder	07/14/10 23:40 CST 07/14/10 23:40 CST down by thunderstorm wind gual 17, -88.14] 07/14/10 23:55 CST 07/14/10 23:55 CST erstorm wind gusts estimated u		0 0 52 knots (60 mph 0 0 mph).	Source: Law Enforcement ).  Thunderstorm Wind (EG 52 kt) Source: Public
Law enforcement officials reported trees blown of the public reported trees blown down by thunden to the public reported trees blown down by thunden to the public reported trees blown down by thunden to the public reported trees blown down by thunden to the public reported trees blown down by thunden to the public reported trees blown the public reported trees blown to the public reported trees blo	07/14/10 23:40 CST 07/14/10 23:40 CST down by thunderstorm wind gual 17, -88.14] 07/14/10 23:55 CST 07/14/10 23:55 CST erstorm wind gusts estimated u 0.35, -87.97] 07/15/10 00:00 CST 07/15/10 00:00 CST	p to 52 knots (60 r	0 52 knots (60 mph 0 0 mph).	Source: Law Enforcement  ).  Thunderstorm Wind (EG 52 kt) Source: Public  Thunderstorm Wind (EG 52 kt) Source: Law Enforcement
Law enforcement officials reported trees blown of waukesha county 2.0 Ne Lannon [43.4]  The public reported trees blown down by thunded the public county 3.0 SW SAUKVILLE [43]  Law enforcement officials reported trees blown of the county and the county 3.0 SW SAUKVILLE [43]	07/14/10 23:40 CST 07/14/10 23:40 CST down by thunderstorm wind guaranteed understorm wind guaranteed	p to 52 knots (60 r	0 0 52 knots (60 mph 0 0 mph). 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Source: Law Enforcement ).  Thunderstorm Wind (EG 52 kt) Source: Public  Thunderstorm Wind (EG 52 kt) Source: Law Enforcement ).
Law enforcement officials reported trees blown of waukesha county 2.0 Ne Lannon [43.4]  The public reported trees blown down by thunded trees blown down by thunded the public reported trees blown down by thunded the public reported trees blown of the public	07/14/10 23:40 CST 07/14/10 23:40 CST down by thunderstorm wind gual 17, -88.14] 07/14/10 23:55 CST 07/14/10 23:55 CST erstorm wind gusts estimated u 0.35, -87.97] 07/15/10 00:00 CST 07/15/10 00:00 CST down by thunderstorm wind gual NTERNATIONAL AIRPORT [43]	p to 52 knots (60 r	0 0 52 knots (60 mph 0 0 mph). 0 0 52 knots (60 mph 0 52 knots (60 mph	Source: Law Enforcement ).  Thunderstorm Wind (EG 52 kt) Source: Public  Thunderstorm Wind (EG 52 kt) Source: Law Enforcement ).  -88.05], 2.7 SSW STATE FAIR PARK
Law enforcement officials reported trees blown of waukesha county 2.0 NE LANNON [43.4]  The public reported trees blown down by thunde OZAUKEE COUNTY 3.0 SW SAUKVILLE [43]	07/14/10 23:40 CST 07/14/10 23:40 CST down by thunderstorm wind guaranteed understorm wind guaranteed	p to 52 knots (60 r	0 0 52 knots (60 mph 0 0 mph). 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Source: Law Enforcement ).  Thunderstorm Wind (EG 52 kt) Source: Public  Thunderstorm Wind (EG 52 kt) Source: Law Enforcement ).

WAUKESHA COUNTY --- 1.5 NE ELM GROVE [43.06, -88.06], 1.7 ESE PEWAUKEE [43.07, -88.24], 2.1 ENE BETHESDA [42.99, -88.24], 1.1 ESE

07/15/10 00:45 CST

07/15/10 03:30 CST

PROSPECT [42.95, -88.13], 3.5 ENE NEW BERLIN [43.00, -88.05]

Page 23 of 52 Printed on: 02/10/2011

Flash Flood (due to Heavy Rain)

Source: Law Enforcement

5K

0

Location Date/Time Deaths & Property & Event Type and Details

Injuries Crop Dmg

Heavy rain from strong to severe thunderstorms that moved across the region produced flash flooding from 3 to 4-inch rainfall that fell in only a couple of hours. All of the I-94 ramps in Brookfield were closed for a time due to high water. Water covered Sunset Drive at a railroad intersection about 1 mile southwest of Waukesha. Trained spotters reported 2 feet of water flowing through the intersection of Calhoun Rd and Beloit Rd., as well as Overland Trail near Brookfield Rd. in New Berlin

COLUMBIA COUNTY --- 2.0 NW LODI [43.34, -89.55], DEKORRA [43.47, -89.47], 2.0 NNW POYNETTE [43.43, -89.42], LODI [43.32, -89.52]

 07/15/10 01:00 CST
 60K
 Flash Flood (due to Heavy Rain)

 07/15/10 03:00 CST
 10K
 Source: Emergency Manager

The Columbia County Emergency Manager reported gravel shoulder wash-outs on several roads and one to two feet of water on low-lying roads from heavy rains as strong to severe thunderstorms crossed the region. Minor crop damage was also noted.

A continuous feed of moisture, in a low to mid-level warm air advection regime, impinged along an outflow boundary draped across southern Wisconsin. This set-up fueled thunderstorms that developed, and redeveloped, along the boundary from the evening of July 14th into the early morning hours of July 15th. Flash flooding occurred in the hills of the Wisconsin River Valley, and in the urban areas of Waukesha and Milwaukee counties, where more than 4 inches of rain fell from the evening into the overnight hours.

KENOSHA COUNTY --- KENOSHA AIRPORT [42.60, -87.93]

07/15/10 16:59 CST 0 Thunderstorm Wind (MG 50 kt)

07/15/10 16:59 CST 0 Source: ASOS

KENOSHA COUNTY --- 0.5 SSE KENOSHA AIRPORT [42.59, -87.93], 2.6 WNW DOWNTOWN KENOSHA [42.60, -87.88]

 07/15/10 17:10 CST
 50K
 Thunderstorm Wind (EG 52 kt)

 07/15/10 17:15 CST
 0
 Source: Trained Spotter

A severe thunderstorm moved east from near Kenosha Airport, where a small plane was damaged, across western and southern portions of the city of Kenosha. Sporadic damage was reported as the damaging thunderstorm wind gusts fanned out along and either side of a line from the airport to near the intersection of 56th Avenue and 42nd Street. Power poles were snapped and a transformer exploded knocking out power to about 5000 customers. Ten to twelve-inch tree limbs were broken and trees were felled by the powerful winds. A portion of the roof of the Oemmcco building was blown off.

A cold front, trailing from low pressure to the north of Wisconsin, was draped across far Southeast Wisconsin around midday on July 15th. A thunderstorm rapidly developed along the front in western Kenosha County, and became severe as it swept across eastern sections of the county before moving out over Lake Michigan.

RACINE COUNTY --- 1.6 ESE BROWNS LAKE [42.66, -88.20], 1.1 E DOWNTOWN RACINE [42.72, -87.78]

07/18/10 10:00 CST 25K Thunderstorm Wind (EG 52 kt)

07/18/10 10:40 CST 1 0 Source: Newspaper

A thunderstorm developed southeast of Burlington and rapidly strengthened as it moved east-northeast across the city of Racine. Numerous trees and power lines were blown down by the thunderstorm wind gusts, mainly on the west side of the city. About 1,000 WE electric customers were without power at the height of the storm. A spectator at the Racine Triathlon at the lakefront sustained a minor injury when struck by a tent that blew over in the winds.

SHEBOYGAN COUNTY --- 0.8 N HOWARDS GROVE [43.84, -87.82], 0.7 SSW HAVEN [43.84, -87.76]

07/18/10 14:21 CST 5K Tornado (EF0, L: 3.31 mi , W: 50 yd)

07/18/10 14:28 CST 0 Source: NWS Storm Survey

A rapidly developing thunderstorm produced an EF0 tornado that began about 0.6 miles north-northwest of the town of Howards Grove, on Tyler Road, just north of Roosevelt Road and west of STH 42, and ended 0.5 miles south-southwest of the town of Haven, about 0.5 miles north-northeast of the intersection of Rowe Road and Dairyland Drive. The tornado snapped tree branches at sporadic locations along the path, which averaged 25 yards in width with a maximum width of 50 yards, and overturned and damaged an SUV and an attached trailer on I-43. The EF0 wind speed was estimated at 75-80 mph based on DI 27(TH), DOD2. The exact start location is Lat 43.841972 and Lon -87.822667. The exact end location is Lat 43.84111 and Lon -87.75621.

A surface low pressure and associated cold front moved across southern Wisconsin triggering isolated thunderstorms during the morning and afternoon on July 18th. There was sufficient wind shear for one of the storms to produce a tornado in Sheboygan County...with a severe thunderstorm in Racine County producing 60 mph wind gusts that damaged trees and dropped power lines in the city of Racine. Ten trees were felled in Holy Cross cemetary that damaged many headstones.

SAUK COUNTY --- HILLPT [43.42, -90.12], LIMERIDGE [43.47, -90.15], 3.0 SW REEDSBURG [43.50, -90.04], 2.0 W ROCK SPGS [43.48, -89.96]

07/19/10 17:45 CST 0 Flash Flood (due to Heavy Rain)

07/19/10 21:00 CST 0 Source: Law Enforcement

Slow-moving thunderstorms produced 3 inches of rain in a short amount of time. Several roads were closed, including Herritz Road at CTH F and CTH S at Narrows Valley Road due to high water making the roads impassable.

Page 24 of 52 Printed on: 02/10/2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	rstorms produced 3 inches of rain in less the		hilly terrain in ce	entral Sauk County. Roads
WI-Z056) SAUK				
	07/19/10 23:00 CST		0	Dense Fog
	07/20/10 04:00 CST		0	
	nt winds and abundant near-ground moistung during the late night hours of July 19th and less.	•	•	
DANE COUNTY 1.6 NW DANE	[43.27, -89.52], 1.0 NNE DANE [43.26, -89.49	9]		
	07/22/10 15:08 CST		1K	Tornado (EF1, L: 1.53 mi , W: 30 yd)
	07/22/10 15:10 CST		0.10K	Source: Public
The tornado caused minor crop da which averaged 20 yards in width. 89.52248. The exact end location		pped large branch	ies, as well as bro	ought a power line down along the path,
DODGE COUNTY NEOSHO [43	· ·		•	5 10 1
	07/22/10 15:09 CST		0	Funnel Cloud
	07/22/10 15:09 CST		0	Source: Law Enforcement
DANE COUNTY 2.9 N YORK C	ENTER [43.27, -89.07], 4.1 NE YORK CENTE	ER [43.27, -89.01]		
	07/22/10 15:24 CST		0	Tornado (EF0, L: 3.00 mi , W: 30 yd)
	07/22/10 15:30 CST		1K	Source: NWS Storm Survey
along the path, which averaged 20	ri-County Road. Sporadic damage to tree lim 0 yards. The EF-rating was based on DI 27 (T d Lon -89.068583. The exact end location is L ELL [43.33, -88.86] 07/22/10 15:35 CST	H), DOD2 which s	suggests maximu	m winds were around 65 mph. The exact
DANE COUNTY 1.0 E STOUGH				
	07/22/10 15:46 CST		0	Funnel Cloud
	07/22/10 15:46 CST		0	Source: Law Enforcement
MILWAUKEE COUNTY 4.0 W E	BROWN DEER [43.17, -88.051			
	07/22/10 16:06 CST		0	Thunderstorm Wind (MG 53 kt)
	07/22/10 16:06 CST		0	Source: Trained Spotter
A trained spotter measured a thun about 6 inches in diameter.	derstorm wind gust at 61 mph (53 knots) 4 m	iles west of Browr	Deer. The wind	gusts snapped small trees, with trunks
JEFFERSON COUNTY 3.5 SSV	V WATERLOO [43.14, -89.01], 2.1 NW HOOF	PERS [43.12, -88.9	0]	
	07/22/10 16:10 CST		0	Tornado (EF0, L: 5.74 mi , W: 30 yd)
	07/22/10 16:18 CST		0	Source: NWS Storm Survey
moved east-southeast before dissi an intermittent path, which average	miles southwest of Waterloo on Veith Road, a ipating just east of STH 89, about 2 miles nor ed 20 yards in width. No structural damage wn. The exact start location is Lat 43.135917 a	th of the interchar	ige of STH 89 and rating was based	d I-94. Damage was mostly to trees along d on DI 27 (TH) DOD2 which suggests
SHEBOYGAN COUNTY 0.5 WS	SW PLYMOUTH [43.75, -87.99]			
	07/22/10 16:10 CST		10K	Lightning

07/22/10 16:10 CST

07/22/10 16:10 CST

Page 25 of 52 Printed on: 02/10/2011

Source: Newspaper

Lightning

10K

0

	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
a lightning strike to a power pole near Plymoras off to these customers for around 45 mi	•	aged wire conducto		ower to about 500 customers. Power
JEFFERSON COUNTY 3.0 S WATERLO	O [43.14, -88.98]			
	07/22/10 16:16 CST		0	Funnel Cloud
	07/22/10 16:16 CST		0	Source: Trained Spotter
JEFFERSON COUNTY 1.9 SE FARMING	TON [43.06, -88.65] 07/22/10 16:35 CST		0	Tornado (EF0, L: 0.10 mi , W: 30 yd)
	07/22/10 16:36 CST		0	Source: Trained Spotter
A trained spotter saw a brief tornado in a sw observed a swirling, wispy, water-like spray. rating of EF0 with a maximum wind speed o	. Little movement was noted by the	spotter before the	tornado dissipated	
DANE COUNTY 1.3 NNE HANERVILLE [	42.89, -89.16], 0.6 WSW ALBION [	42.88, -89.08]		
	07/22/10 17:02 CST		20K	Tornado (EF1, L: 4.18 mi , W: 75 yd)
	07/22/10 17:10 CST		6K	Source: NWS Storm Survey
estimated wind speed of 90 mph was based 42.87732 and Lon 89.08052.  WAUKESHA COUNTY 2.0 N DOWNTOW		art point is Lat 42.8	88826 and Lon -89	.16181. The exact end point is Lat
	07/22/10 17:13 CST		0	Thunderstorm Wind (MG 59 kt)
	07/22/10 17:13 CST			· · · · ·
	07/22/10 17.13 031		0	Source: Amateur Radio
JEEFFERON COUNTY O 4 COF LAKE W				
JEFFERSON COUNTY 2.4 SSE LAKE KO		ESE LAKE KOSHK		
	OSHKONONG [42.85, -88.92], 3.9 I 07/22/10 17:22 CST 07/22/10 17:32 CST		(ONONG [42.85, -8 0 0	38.86]  Tornado (EF0, L: 2.77 mi , W: 75 yd)  Source: Trained Spotter
An EF0 tornado developed near the intersed damaged tree limbs along the roughly 2.75 south of the intersection of Poeppel Rd. and Lat 42.84620 and Lon -88.91638. The exact	OSHKONONG [42.85, -88.92], 3.9 I 07/22/10 17:22 CST 07/22/10 17:32 CST ction of STH 26 and Rock-Jeffersor mile path that averaged 40 yards in I Grogan Rd. The EF0 estimated w t end location is Lat 42.85381 and I	n County Line Rd., n width. The tornad inds of 75-80 mph	CONONG [42.85, -6 0 0 about 6.6 miles so o dissipated about	Tornado (EF0, L: 2.77 mi , W: 75 yd) Source: Trained Spotter buthwest of Fort Atkinson. The tornado 5.3 miles south of Fort Atkinson, just 27(TH) DOD2. The exact start location is
An EF0 tornado developed near the intersed damaged tree limbs along the roughly 2.75 south of the intersection of Poeppel Rd. and Lat 42.84620 and Lon -88.91638. The exact	OSHKONONG [42.85, -88.92], 3.9 I 07/22/10 17:22 CST 07/22/10 17:32 CST ction of STH 26 and Rock-Jeffersor mile path that averaged 40 yards in I Grogan Rd. The EF0 estimated w t end location is Lat 42.85381 and I	n County Line Rd., n width. The tornad inds of 75-80 mph Lon -88.86265.	CONONG [42.85, -6 0 0 about 6.6 miles so o dissipated about were based on DI	38.86] Tornado (EF0, L: 2.77 mi , W: 75 yd) Source: Trained Spotter  buthwest of Fort Atkinson. The tornado 15.3 miles south of Fort Atkinson, just 27(TH) DOD2. The exact start location is  Lightning
An EF0 tornado developed near the intersed damaged tree limbs along the roughly 2.75 south of the intersection of Poeppel Rd. and Lat 42.84620 and Lon -88.91638. The exact	OSHKONONG [42.85, -88.92], 3.9 I 07/22/10 17:22 CST 07/22/10 17:32 CST ction of STH 26 and Rock-Jeffersor mile path that averaged 40 yards in I Grogan Rd. The EF0 estimated w t end location is Lat 42.85381 and I	n County Line Rd., n width. The tornad inds of 75-80 mph	CONONG [42.85, -6 0 0 about 6.6 miles so o dissipated about were based on DI	Tornado (EF0, L: 2.77 mi , W: 75 yd) Source: Trained Spotter buthwest of Fort Atkinson. The tornado 5.3 miles south of Fort Atkinson, just 27(TH) DOD2. The exact start location is
An EF0 tornado developed near the intersed damaged tree limbs along the roughly 2.75 is south of the intersection of Poeppel Rd. and Lat 42.84620 and Lon -88.91638. The exact MILWAUKEE COUNTY 0.2 NE WEST MILWAUKEE COUNTY 0.	OSHKONONG [42.85, -88.92], 3.9 I 07/22/10 17:22 CST 07/22/10 17:32 CST  ction of STH 26 and Rock-Jeffersor mile path that averaged 40 yards in I Grogan Rd. The EF0 estimated w t end location is Lat 42.85381 and I  LWAUKEE [43.02, -87.95] 07/22/10 17:30 CST 07/22/10 17:30 CST attempting to run home from a nea ent of their injuries.	n County Line Rd., n width. The tornad inds of 75-80 mph Lon -88.86265.	CONONG [42.85, -6 0 0 about 6.6 miles so o dissipated about were based on DI	Tornado (EF0, L: 2.77 mi , W: 75 yd) Source: Trained Spotter  buthwest of Fort Atkinson. The tornado 1.5.3 miles south of Fort Atkinson, just 27(TH) DOD2. The exact start location is  Lightning Source: Newspaper
An EF0 tornado developed near the intersed damaged tree limbs along the roughly 2.75 is south of the intersection of Poeppel Rd. and Lat 42.84620 and Lon -88.91638. The exact MILWAUKEE COUNTY 0.2 NE WEST MILWAUKEE COUNTY 0.	OSHKONONG [42.85, -88.92], 3.9 I 07/22/10 17:22 CST 07/22/10 17:32 CST  ction of STH 26 and Rock-Jeffersor mile path that averaged 40 yards in I Grogan Rd. The EF0 estimated w t end location is Lat 42.85381 and I  LWAUKEE [43.02, -87.95] 07/22/10 17:30 CST 07/22/10 17:30 CST attempting to run home from a nea ent of their injuries.	n County Line Rd., n width. The tornad inds of 75-80 mph Lon -88.86265.	CONONG [42.85, -6 0 0 about 6.6 miles so o dissipated about were based on DI	Tornado (EF0, L: 2.77 mi , W: 75 yd) Source: Trained Spotter  buthwest of Fort Atkinson. The tornado 1.5.3 miles south of Fort Atkinson, just 27(TH) DOD2. The exact start location is  Lightning Source: Newspaper
An EF0 tornado developed near the intersed damaged tree limbs along the roughly 2.75 is south of the intersection of Poeppel Rd. and Lat 42.84620 and Lon -88.91638. The exact MILWAUKEE COUNTY 0.2 NE WEST MILWAUKEE COUNTY 0.	OSHKONONG [42.85, -88.92], 3.9 I 07/22/10 17:22 CST 07/22/10 17:32 CST  ction of STH 26 and Rock-Jeffersor mile path that averaged 40 yards in I Grogan Rd. The EF0 estimated w t end location is Lat 42.85381 and I LWAUKEE [43.02, -87.95] 07/22/10 17:30 CST 07/22/10 17:30 CST attempting to run home from a nea ent of their injuries.	n County Line Rd., n width. The tornad inds of 75-80 mph Lon -88.86265.	CONONG [42.85, -6 0 0 about 6.6 miles so o dissipated about were based on DI 0 0	Tornado (EF0, L: 2.77 mi , W: 75 yd) Source: Trained Spotter  buthwest of Fort Atkinson. The tornado 15.3 miles south of Fort Atkinson, just 27(TH) DOD2. The exact start location is  Lightning Source: Newspaper en struck by lightning. They were taken
An EF0 tornado developed near the intersed damaged tree limbs along the roughly 2.75 is south of the intersection of Poeppel Rd. and Lat 42.84620 and Lon -88.91638. The exact MILWAUKEE COUNTY 0.2 NE WEST MITTON TWO SISTERS, 25 years old and 30 years old, to a nearby hospital and admitted for treatm WALWORTH COUNTY 0.8 SSE TROY Country	OSHKONONG [42.85, -88.92], 3.9 II 07/22/10 17:22 CST 07/22/10 17:32 CST  ction of STH 26 and Rock-Jeffersor mile path that averaged 40 yards in II Grogan Rd. The EF0 estimated with the end location is Lat 42.85381 and II  LWAUKEE [43.02, -87.95] 07/22/10 17:30 CST 07/22/10 17:30 CST attempting to run home from a neal ent of their injuries.  ENTER [42.81, -88.46] 07/22/10 17:31 CST 07/22/10 17:31 CST	n County Line Rd., n width. The tornad inds of 75-80 mph Lon -88.86265.	about 6.6 miles so o dissipated about were based on DI	38.86] Tornado (EF0, L: 2.77 mi , W: 75 yd) Source: Trained Spotter  buthwest of Fort Atkinson. The tornado 15.3 miles south of Fort Atkinson, just 27(TH) DOD2. The exact start location is  Lightning Source: Newspaper en struck by lightning. They were taken
An EF0 tornado developed near the intersed damaged tree limbs along the roughly 2.75 is south of the intersection of Poeppel Rd. and Lat 42.84620 and Lon -88.91638. The exact MILWAUKEE COUNTY 0.2 NE WEST MITTON TWO SISTERS, 25 years old and 30 years old, to a nearby hospital and admitted for treatm WALWORTH COUNTY 0.8 SSE TROY Country	OSHKONONG [42.85, -88.92], 3.9 I	n County Line Rd., n width. The tornad inds of 75-80 mph Lon -88.86265.	CONONG [42.85, -6 0 0 about 6.6 miles so o dissipated about were based on DI 0 0 0 , were injured when 0 0 0	Tornado (EF0, L: 2.77 mi , W: 75 yd) Source: Trained Spotter  buthwest of Fort Atkinson. The tornado 5.3 miles south of Fort Atkinson, just 27(TH) DOD2. The exact start location is  Lightning Source: Newspaper en struck by lightning. They were taken  Funnel Cloud Source: Fire Department/Rescue
An EF0 tornado developed near the intersed damaged tree limbs along the roughly 2.75 is south of the intersection of Poeppel Rd. and Lat 42.84620 and Lon -88.91638. The exact MILWAUKEE COUNTY 0.2 NE WEST MITTON TWO SISTERS, 25 years old and 30 years old, to a nearby hospital and admitted for treatm WALWORTH COUNTY 0.8 SSE TROY Country	OSHKONONG [42.85, -88.92], 3.9 I	n County Line Rd., n width. The tornad inds of 75-80 mph Lon -88.86265.	CONONG [42.85, -6 0 0 0 about 6.6 miles so o dissipated about were based on DI 0 0 0 , were injured when 0 0 0	Tornado (EF0, L: 2.77 mi , W: 75 yd) Source: Trained Spotter  buthwest of Fort Atkinson. The tornado 5.3 miles south of Fort Atkinson, just 27(TH) DOD2. The exact start location is  Lightning Source: Newspaper en struck by lightning. They were taken  Funnel Cloud Source: Fire Department/Rescue
JEFFERSON COUNTY 2.4 SSE LAKE KG An EF0 tornado developed near the intersed damaged tree limbs along the roughly 2.75 isouth of the intersection of Poeppel Rd. and Lat 42.84620 and Lon -88.91638. The exact MILWAUKEE COUNTY 0.2 NE WEST MITTON TWO sisters, 25 years old and 30 years old, to a nearby hospital and admitted for treatm WALWORTH COUNTY 0.8 SSE TROY COUNTY 0.8 SSE TROY COUNTY 2.0 SSE EAGLE [	OSHKONONG [42.85, -88.92], 3.9 I	n County Line Rd., n width. The tornad inds of 75-80 mph Lon -88.86265.	CONONG [42.85, -6 0 0 about 6.6 miles so o dissipated about were based on DI 0 0 0 , were injured when 0 0 0	Tornado (EF0, L: 2.77 mi , W: 75 yd) Source: Trained Spotter  buthwest of Fort Atkinson. The tornado 5.3 miles south of Fort Atkinson, just 27(TH) DOD2. The exact start location is  Lightning Source: Newspaper en struck by lightning. They were taken  Funnel Cloud Source: Fire Department/Rescue
An EF0 tornado developed near the intersed damaged tree limbs along the roughly 2.75 is south of the intersection of Poeppel Rd. and Lat 42.84620 and Lon -88.91638. The exact MILWAUKEE COUNTY 0.2 NE WEST MITTOWN SISTERS, 25 years old and 30 years old, to a nearby hospital and admitted for treatm WALWORTH COUNTY 0.8 SSE TROY Count	OSHKONONG [42.85, -88.92], 3.9 I	n County Line Rd., n width. The tornad inds of 75-80 mph Lon -88.86265.	CONONG [42.85, -6 0 0 about 6.6 miles so o dissipated about were based on DI 0 0 0 , were injured when 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	38.86] Tornado (EF0, L: 2.77 mi , W: 75 yd) Source: Trained Spotter  butthwest of Fort Atkinson. The tornado 15.3 miles south of Fort Atkinson, just 27(TH) DOD2. The exact start location is  Lightning Source: Newspaper en struck by lightning. They were taken  Funnel Cloud Source: Fire Department/Rescue  Funnel Cloud Source: Trained Spotter
An EF0 tornado developed near the intersed damaged tree limbs along the roughly 2.75 is south of the intersection of Poeppel Rd. and Lat 42.84620 and Lon -88.91638. The exact MILWAUKEE COUNTY 0.2 NE WEST MITTOWN SISTERS, 25 years old and 30 years old, to a nearby hospital and admitted for treatm WALWORTH COUNTY 0.8 SSE TROY COUNTY 0.8 SSE TROY COUNTY 2.0 SSE EAGLE [	OSHKONONG [42.85, -88.92], 3.9 I	n County Line Rd., n width. The tornad inds of 75-80 mph Lon -88.86265.	about 6.6 miles so o dissipated about were based on DI  0  0  0  0  0  0  0  0  0  0  0  0  0	Tornado (EF0, L: 2.77 mi , W: 75 yd) Source: Trained Spotter  buthwest of Fort Atkinson. The tornado 5.3 miles south of Fort Atkinson, just 27(TH) DOD2. The exact start location is  Lightning Source: Newspaper en struck by lightning. They were taken  Funnel Cloud Source: Fire Department/Rescue

limited to large tree branches along the path, which averaged 45 yards. The EF0 estimated wind speed of 65 to 70 mph was based on DI 27(TH) DOD2. The

exact start location is Lat 42.85819 and Lon -88.80070. The exact end location is Lat 42.85497 and Lon -88.72386.

Page 26 of 52 Printed on: 02/10/2011

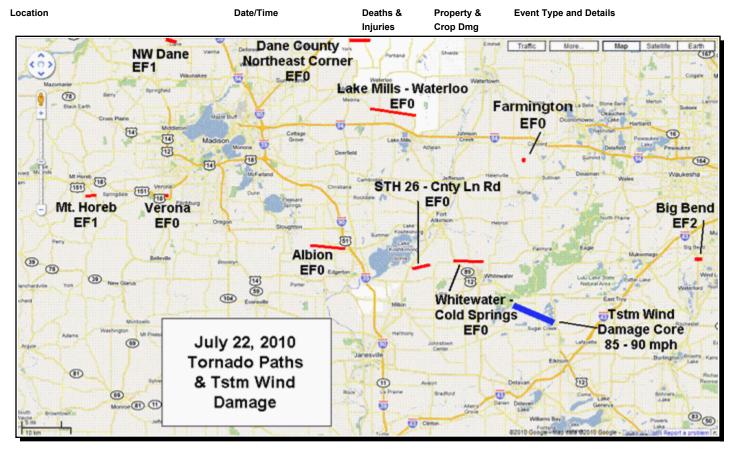
Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
DANE COUNTY 1.7 S MT HOR	REB [42.98, -89.73], 2.0 SE MT HOREB [42.98	, -89.70]		
	07/22/10 17:52 CST		5K	Tornado (EF1, L: 1.46 mi , W: 75 yd)
	07/22/10 17:55 CST		0	Source: NWS Storm Survey
ornado caused minor home dama averaged 50 yards in width. The t and Malone Rd. The EF1 estimat	2 miles south of Mt. Horeb, just east of CTH age, knocked trees down and broke tree limbs ornado ended about 2.5 miles southeast of Mted wind speeds of 95 to 100 mph were based is Lat 42.97961 and Lon -89.70055.	s, uplifted patio pa t. Horeb, just east	vers, and tumbled of STH 92, about	a farm wagon along a 1.5 mile path that 1 mile north of the intersection of STH 92
WAUKESHA COUNTY 1.1 S B	IG BEND [42.86, -88.20], 1.4 SE BIG BEND [4	12.87, -88.18]		
	07/22/10 18:02 CST		75K	Tornado (EF2, L: 1.00 mi , W: 100 yd)
	07/22/10 18:05 CST		3K	Source: NWS Storm Survey
ANE COUNTY 0.2 SW VERO	NA ARPT [42.98, -89.52], 0.1 E VERONA ARI 07/22/10 18:10 CST	PT [42.98, -89.52]	0	Tornado (EFO, L: 0.22 mi , W: 30 yd)
	07/22/10 18:11 CST		0	Source: NWS Storm Survey
ninor tree limb damage around W nded just northeast of the interse	out 1 mile southeast of Verona, just southeas /halen Rd., but no structural damage was note ection of Whalen Rd. and Gatsby Glenn Dr. Th Lat 42.97827 and Lon -89.52267. The exact of	ed. The short 0.22 ne EF0 estimated	mile path average wind speeds of 65	ed about 15 yards in width. The tornado to 70 mph were based on DI 27(TH)
MILWAUKEE COUNTY 1.0 ES	E OAKWOOD [42.84, -87.91], 1.0 WSW RAW	SON [42.85, -87.9	0]	
	07/22/10 18:55 CST		2K	Thunderstorm Wind (EG 65 kt)
	07/22/10 18:57 CST		0	Source: Trained Spotter
	vind gusts to 75 mph pushed a 25-foot campir eral large trees sustained damage to large lim	•	eet, resulting in mir	nor damage. Additionally, a flag-pole
GREEN COUNTY 1.1 SSW MC			AFIX	I tableto o
	07/22/10 19:30 CST		15K	Lightning
	07/22/10 19:30 CST		0	Source: Broadcast Media
A lightning strike to a tree killed 8 and \$16,000.	cows that had gathered under the tree seekin	g shelter from a t	nunderstorm. The v	value of the cows was between \$12,000
WALWORTH COUNTY WHITE	WATER [42.83, -88.73]			
	07/22/10 19:32 CST		0	Thunderstorm Wind (EG 52 kt)
			0	Source: Trained Spotter

07/22/10 19:40 CST Source: Trained Spotter

A trained spotter estimated thunderstorm wind gusts up to 52 knots (60 mph) that lasted for eight minutes.

A stalled frontal boundary combined with a moist and unstable atmosphere and strong wind shear to produce numerous tornadoes and funnel clouds over South Central and Southeast Wisconsin. A series of vorticity maxima moving west to east through the western Great Lakes enhanced isentropic lift, as a strengthening southerly low-level jet interacted with a nearly stationary west to east warm front.

> Page 27 of 52 02/10/2011 Printed on:



This map shows the location, EF rating and the path length of each of the 10 tornadoes that occurred in the late afternoon and evening hours of July 22nd. In addition, the core of the damage path caused by thunderstorm wind gusts of 85 to 90 mph in Walworth County between Whitewater Lake and Sugar Creek is also shown.

# COLUMBIA COUNTY --- 3.5 WSW PORTAGE ARPT [43.55, -89.54], 3.4 ESE FRIESLAND [43.56, -89.01], 3.6 S COLUMBUS [43.28, -89.03], 3.1 SSW OKEE [43.31, -89.60]

 07/22/10 16:00 CST
 0.10M
 Flash Flood (due to Heavy Rain)

 07/22/10 19:00 CST
 10K
 Source: Law Enforcement

Law enforcement officials reported numerous road closures and culverts damaged due to deep and rushing water over roads from near Portage to Randolph, and south to the Dane County border. Included in these reports was damage to culvert supports in the Harmony Grove subdivision and damage to roads shoulders and driveways along Cactus Acres Road in Lodi; knee-high water covering Henry Drive in Portage. Storm total rainfall reports include 3.68 inches in Lodi; 3.58 inches in Arlington; and 2.58 inches near the Wisconsin Dells, with much of the rain falling within one to two hours of time.

# DANE COUNTY --- 0.8 N STONE [42.88, -89.30], 4.2 NNE PRIMROSE [42.95, -89.63], 4.0 E ROXBURY [43.26, -89.59], 1.6 NW YORK CENTER [43.25, -89.09]

 07/22/10 16:00 CST
 0.10M
 Flash Flood (due to Heavy Rain)

 07/22/10 20:00 CST
 10K
 Source: Trained Spotter

Training thunderstorms produced 2.5 to 4.5 inches of rain in about two hours over mainly the northern half of the county. Street flooding stranded cars in Sun Prairie, various locations in the city of Madison, Oregon, Middleton and DeForest. Three to four feet of water covered the intersection of Commercial Avenue and Ckronke Road in Sun Prairie, stalling cars and filling some home basements and commercial buildings with water, that damaged contents.

# DODGE COUNTY --- RANDOLPH [43.53, -89.00], 1.3 WNW PORTLAND [43.21, -88.99], 1.2 ENE ALDERLEY [43.22, -88.43], 1.3 ENE HERMAN CENTER [43.43, -88.45]

07/22/10 16:00 CST 20K Flash Flood (due to Heavy Rain)
07/22/10 19:00 CST 5K Source: Emergency Manager

Emergency managers reported numerous road closures due to flash flooding in the southern half of the county. Included in the reports were washed out shoulders along roads in the Reeseville and Lowell areas. Law enforcement officials reported street flooding at the intersection of Mill Street and Grant Street, and along Maple Avenue in Beaver Dam made the streets impassable. A trained spotter reported 1.5 to 2 feet of water over the road at the intersection of CTH DJ and CTH E about 3.5 miles southeast of Clyman. Storm total rainfall reports include 3.42 inches at Hustisford; 3.24 inches in Juneau; 2.40 inches in Beaver Dam; and 2.36 in Horicon, with much of the rain falling within one to two hours of time.

Page 28 of 52 Printed on: 02/10/2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
SHEROYGAN COUNTY 1 6 W	SW SHEBOYGAN [43.74, -87.75], 2.5 NNW K		· · ·	70 -87 721 2 2 NE ST GEORGE [43 69
-87.75], 1.0 SSE KOHLER [43.72,		ONLER ANDICAL	01A1E1 A1(( [40.	, -01.112], 2.2 N2 01 020N02 [40.00,
,	07/22/10 16:30 CST		20K	Flash Flood (due to Heavy Rain)
	07/22/10 19:00 CST		2K	Source: Trained Spotter
A trained spotter reported 3 feet o	f water over South Business Drive between F	Riverdale Avenue a	and Stahl Road in t	he town of Wilson 5 miles
south-southwest of Sheboygan. A	nother trained spotter reported street flooding	g on the south side	of the city of Sheb	oygan near the intersection of
Needen Creek road and 10th Stre	eet. The flooding damaged the contents of flo	oded basements a	and washed out gra	ivel shoulders of roads.
WASHINGTON COUNTY 0.7 S	E ST KILIAN [43.54, -88.36], 1.7 E MICHAEL	S [43.52, -88.14], 1	1.9 S WEST BEND	ARPT [43.39, -88.13], 1.9 NNE
SLINGER [43.36, -88.27]				
	07/22/10 16:30 CST		20K	Flash Flood (due to Heavy Rain)
	07/22/10 19:00 CST		2K	Source: Law Enforcement
due to rapidly rising lake levels fro	eet just west of U.S. Highway 45 in Kewaskun om the heavy rain. Street flooding was reporte	ed in West Bend w	ith a trained spotte	r in town recording 1.77 inches of rain
due to rapidly rising lake levels fro that fell in 25 minutes. A trained sp more of standing water covering th		ed in West Bend w h of West Bend re <sub>l</sub> The floodwater dan	ith a trained spotte ported significant fl naged the contents	r in town recording 1.77 inches of rain ooding on area roads and 6 inches or of flooded basements in the area. He
due to rapidly rising lake levels fro that fell in 25 minutes. A trained sy more of standing water covering the recorded 2.03 inches of rain in ab- inches.	om the heavy rain. Street flooding was reported potter in the Barton area about 1.5 miles north he yards of residences in his neighborhood. T	ed in West Bend who hof West Bend rep The floodwater dan Include 4.60 inches	ith a trained spotte ported significant fl naged the contents s in Richfield; 4.51	r in town recording 1.77 inches of rain cooding on area roads and 6 inches or of flooded basements in the area. He inches at Holy Hill; and Germantown 3.13
due to rapidly rising lake levels fro that fell in 25 minutes. A trained sy more of standing water covering the recorded 2.03 inches of rain in ab- inches.	om the heavy rain. Street flooding was reported potter in the Barton area about 1.5 miles north the yards of residences in his neighborhood. To out 45 minutes. Storm total rainfall amounts in	ed in West Bend who hof West Bend rep The floodwater dan Include 4.60 inches	ith a trained spotte ported significant fl naged the contents s in Richfield; 4.51	r in town recording 1.77 inches of rain cooding on area roads and 6 inches or of flooded basements in the area. He inches at Holy Hill; and Germantown 3.13
due to rapidly rising lake levels fro that fell in 25 minutes. A trained sy more of standing water covering the recorded 2.03 inches of rain in ab- inches.	om the heavy rain. Street flooding was reported potter in the Barton area about 1.5 miles north the yards of residences in his neighborhood. To out 45 minutes. Storm total rainfall amounts in a second part of the part of t	ed in West Bend who hof West Bend rep The floodwater dan Include 4.60 inches	ith a trained spotte ported significant fl naged the contents in Richfield; 4.51 in Richf	r in town recording 1.77 inches of rain cooding on area roads and 6 inches or of flooded basements in the area. He inches at Holy Hill; and Germantown 3.13
due to rapidly rising lake levels from that fell in 25 minutes. A trained symmer of standing water covering the recorded 2.03 inches of rain in abounches.  DANE COUNTY DANE [43.25, Training thunderstorms produced Sun Prairie, various locations in the standard for the results of the record of	om the heavy rain. Street flooding was reported potter in the Barton area about 1.5 miles north the yards of residences in his neighborhood. The yards of the yards of residences in his neighborhood. The yards of yards of the yards of yar	ed in West Bend who follows the floodwater daminclude 4.60 inches DN [42.93, -89.38], wer mainly the norte-forest. Three to forest.	ith a trained spotte ported significant flunaged the contents in Richfield; 4.51 in Richf	r in town recording 1.77 inches of rain cooding on area roads and 6 inches or of flooded basements in the area. He inches at Holy Hill; and Germantown 3.13  99, -89.59]  Flash Flood (due to Heavy Rain)  Source: Trained Spotter  unty. Street flooding stranded cars in wered the intersection of Commercial
due to rapidly rising lake levels from that fell in 25 minutes. A trained symmer of standing water covering the recorded 2.03 inches of rain in abounches.  DANE COUNTY DANE [43.25, Training thunderstorms produced Sun Prairie, various locations in the standard for the results of the record of	om the heavy rain. Street flooding was reported potter in the Barton area about 1.5 miles north the yards of residences in his neighborhood. The yards of the yards	ed in West Bend who follows the floodwater daminclude 4.60 inches DN [42.93, -89.38], wer mainly the norte-forest. Three to forest.	ith a trained spotte ported significant flunaged the contents in Richfield; 4.51 in Richf	r in town recording 1.77 inches of rain cooding on area roads and 6 inches or of flooded basements in the area. He inches at Holy Hill; and Germantown 3.13  99, -89.59]  Flash Flood (due to Heavy Rain)  Source: Trained Spotter  unty. Street flooding stranded cars in wered the intersection of Commercial
due to rapidly rising lake levels from that fell in 25 minutes. A trained symmer of standing water covering the recorded 2.03 inches of rain in abounches.  DANE COUNTY DANE [43.25,  Training thunderstorms produced Sun Prairie, various locations in the Avenue and Ckronke Road in Sur	om the heavy rain. Street flooding was reported potter in the Barton area about 1.5 miles north the yards of residences in his neighborhood. The yards of the yards of residences in his neighborhood. The yards of yards of the yards of yar	ed in West Bend who follows the floodwater daminclude 4.60 inches ON [42.93, -89.38], wer mainly the north pasements and correspond to the floor t	ith a trained spotte ported significant flunaged the contents in Richfield; 4.51 in Richf	r in town recording 1.77 inches of rain coding on area roads and 6 inches or of flooded basements in the area. He inches at Holy Hill; and Germantown 3.13  99, -89.59]  Flash Flood (due to Heavy Rain)  Source: Trained Spotter  unty. Street flooding stranded cars in overed the intersection of Commercial with water, damaging their contents.
due to rapidly rising lake levels from that fell in 25 minutes. A trained symmer of standing water covering the recorded 2.03 inches of rain in abounches.  DANE COUNTY DANE [43.25,  Training thunderstorms produced Sun Prairie, various locations in the Avenue and Ckronke Road in Sur	om the heavy rain. Street flooding was reported potter in the Barton area about 1.5 miles north the yards of residences in his neighborhood. The yards of residence in Prairie, stalling cars and filling some home between the province of the prairie, stalling cars and filling some home between the province of the prairie.	ed in West Bend who follows the floodwater daminclude 4.60 inches ON [42.93, -89.38], wer mainly the north pasements and correspond to the floor t	ith a trained spotte ported significant flunaged the contents in Richfield; 4.51 in Richf	r in town recording 1.77 inches of rain cooding on area roads and 6 inches or of flooded basements in the area. He inches at Holy Hill; and Germantown 3.13  99, -89.59]  Flash Flood (due to Heavy Rain)  Source: Trained Spotter  unty. Street flooding stranded cars in overed the intersection of Commercial with water, damaging their contents.

Page 29 of 52 Printed on: 02/10/2011

Location Date/Time Deaths & Property & Event Type and Details Injuries Crop Dmg

Thunderstorms training over the region produced flooding rains over all of Milwaukee County...causing massive flooding, shutting down streets and the freeway system at rush hour with up to 4 feet of rushing water.

There was one fatality - the body of a 19-year-old male was found in Lincoln Creek near N. 32nd St. and W. Hampton Ave. in Milwaukee. He was swept from his vehicle when Lincoln Creek flooded.

County Executive Scott Walker issued a Declaration of a Major Disaster for Milwaukee County since more than 7 inches of rain fell around the county, and an estimated \$24.1 million in damage in the private sector, and nearly \$11.6 million in public sector costs, which includes protective measures and clean-up costs.

The private sector damage costs include: \$22,396,790 dollars to residential buildings and \$1,686,752 dollars to businesses. The public sector costs include: \$2,003,010 dollars of damage to public buildings and equipment; \$2,385,760 dollars of damage to public utility systems; \$2,774,400 dollars or damage to road systems; \$310,000 dollars of damage to water control facilities and another \$1,326,100 dollars in damage to other public property for a total of \$8,799,270. In addition, another \$1,946,100 dollars were spent in debris clearance and \$894,988 dollars were spent for overtime. These costs are not directly related to the flood damage.

The Milwaukee Fire Department logged 50 rescues from homes and streets.

The Milwaukee Metropolitan Sewerage District (MMSD) reported that the storm resulted in a combined sewer overflow of around 2 billion gallons. All Lake Michigan beaches in Milwaukee were closed through the following weekend of July 24th and 25th due to sewer contamination. The City of Milwaukee received at least 2000 calls for sewer backups into basements of homes. It appeared that the northern half of the city of Milwaukee was hardest hit.

The flooding rains created a massive sink hole 20 feet deep and some 20 to 40 feet wide at the intersection of Oakland and North in the city of Milwaukee around 830 pm. It swallowed a Sport Utility Vehicle and a street light. The driver of the SUV was injured and treated at a hospital. Electrical power cables and other cable lines were damaged by the sink hole.

Milwaukee Mitchell International Airport was closed late Thursday night (July 22nd) through 2 pm Friday (July 23rd) due to flooded runways. One runway was opened at 2 pm Friday, however there were additional delays.

In Milwaukee County, over 4,400 homes reported water-filled basements in the city of Milwaukee alone.

11,764 homes received some sort of impact from the flooding, with 6 homes destroyed; 57 homes receiving major damage; 1,859 home receiving minor damage; and an additional 9,842 homes minimally affected by the flood waters. Sixty-eight businesses were affected, with 9 having major damage and 59 having minor damage.

The north side of the city received the heaviest downpours with 7 to 8 inches of rain falling in 2 to 3 hours. WTMJ-TV4 on Milwaukee's northeast side measured 6.73 inches of rain in 1 hour, between 5:15 pm and 6:15 pm. The twenty-four hour rainfall (midnight to midnight July 22nd) was 8.31 inches. They also received another inch of rain after midnight on July 23rd, so the two-day total was 9.31 inches.

The Milwaukee Fire Department logged 50 rescues from homes and streets.

Nicolet High School in the north suburban community of Glendale had a completely flooded basement and 16" of water on the main floor.

Hourly rainfall amounts of 2 to 4 inches were reported, and WTMJ TV-4 on Milwaukee's northeast side measured 7 inches of rain in about 2.5 hours ending at 745 pm Thursday evening. The one-hour rainfall was 6.73 inches between 5:15 PM and 6:15 PM CDT in the late afternoon/evening. The twenty-four hour rainfall (midnight to midnight July 22nd) was 8.31 inches, with another inch after midnight on July 23rd, so the two day total was 9.31 inches.

Mitchell Field recorded 5.61 inches for the day, breaking a record for the date. The previous record was 1.26 set in 1948. This also is the second highest daily rainfall total on record for Milwaukee. The greatest one-day precipitation record was the 6.81 inches which fell on August 6, 1986.

Direct Fatalities: M19VE

# OZAUKEE COUNTY --- 1.8 SSW FIVE CORNERS [43.30, -88.02], 2.3 ESE GRAFTON [43.30, -87.91], 2.0 SW BAYSIDE [43.20, -87.91], 2.0 SSE MEQUON [43.19, -87.96]

 07/22/10 17:00 CST
 20K
 Flash Flood (due to Heavy Rain)

 07/22/10 19:00 CST
 1K
 Source: Law Enforcement

Police reported runoff from heavy rains caused a few sewer backups in homes causing damage to contents in Mequon. Police also reported water over roads in Cedarburg, draining with enough force to pop off a manhole cover near the high school. Law enforcement also closed I-43 at both Mequon Road and County Line Road, mainly due to impassable conditions due to flooding just over the county line in Milwaukee. Thiensville officials reported 2.85 inches of rain in less than 2 hours, while Mequon received 2.84 inches.

JEFFERSON COUNTY --- WATERTOWN [43.20, -88.72], 0.6 N IXONIA [43.16, -88.60], 1.9 NNE WHITEWATER [42.86, -88.72], 1.9 NNE BUSSEYVILLE [42.92, -88.97], 1.9 NNE WATERLOO [43.20, -88.97]

Page 30 of 52 Printed on: 02/10/2011

Location	Date/Time	Deaths &	Property &	Event Type and Details
		Injuries	Crop Dmg	
	07/22/10 18:00 CST		0.15M	Flash Flood (due to Heavy Rain)
	07/22/10 20:00 CST		10K	Source: Newspaper

Training thunderstorms produced 3 to 5 inches of rain in two hours or less across mainly the northern two-thirds of the county. Many roads were rendered impassable for a time due to the heavy downpours. Localized flooding of roads and some basements, with damage to contents, were reported by the county emergency manager in Waterloo, Watertown, Lake Mills, Jefferson, Ixonia and Johnson Creek. STH 19 was closed east of Watertown due to high water over the road. Some storm total rainfall reports include 5.45 inches at Palmyra; 4.97 inches in Milford; 4.70 inches at the National Weather Service office in Sullivan; and 4.59 inches in Waterloo.

## RACINE COUNTY --- 1.9 E HONEY LAKE [42.73, -88.28], 1.4 SE CALDWELL [42.81, -88.25], CALEDONIA [42.80, -87.93], 0.7 SSW FRANKSVILLE [42.74, -87.92]

 07/22/10 18:00 CST
 20K
 Flash Flood (due to Heavy Rain)

 07/22/10 20:00 CST
 1K
 Source: Trained Spotter

The southern edge of a line of training thunderstorms pushed across northern portions of Racine County, producing between 3 and 4 inches of rain in two hours or less. water covering area roads made them impassable, including CTH G at I-94, with the flood waters washing out gravel shoulders. Basements flooded, causing damage to contents, including the basement of a home on Spring Street on the northwest side of the city of Racine, flooded with water from the swollen Root River.

# WAUKESHA COUNTY --- 0.7 NNE MENOMONEE FALLS [43.19, -88.10], 1.6 SSW DURHAM [42.85, -88.09], 3.6 W EAGLE [42.88, -88.54], 1.6 WNW LAC LA BELLE [43.16, -88.55]

 07/22/10 18:00 CST
 2.90M
 Flash Flood (due to Heavy Rain)

 07/22/10 20:00 CST
 50K
 Source: Emergency Manager

Thunderstorms training over the region produced 4 to 7 inches of rain over Waukesha County. While many sections of the county experienced flash flooding, the north and northeast sections were hardest hit, with numerous roads flooded and basements flooded in Brookfield, Menomonee Falls and Sussex. A trained spotter reported 4 inches of rain in one hour in Menomonee Falls where the heavy rains caused a sink hole to form on Campbell Drive. Rushing water flooded roads in Delafield near U.S. Highway 18, closed STH 59 at STH 164 south of Waukesha, and covered sections of CTH Z, west of Eagle in western Waukesha County. Flooded roads were also reported in Muskego, New Berlin and Oconomowoc.

Parts of south-central and southeast Wisconsin experienced several rounds of record-setting torrential heavy rains during the afternoon and evening hours of July 22, 2010 that led to flash flooding and damage. During the afternoon, a persistent band of strong to severe thunderstorms developed and moved very slowly over south central and southeast Wisconsin through the evening hours. The individual storms were moving quite fast, about 40 to 50 mph, but the slow southward movement of the boundary these storms were developing along, resulted in storms repeatedly training, or moving, over the same area.

Widespread 3 to 4 inch amounts were reported along and either side of the I-94 corridor, with locally higher amounts of 5 to 8 inches. The greatest rain amounts fell in Milwaukee County. Mitchell Field recorded 5.61 inches for the day, breaking a record for the date. The previous record was 1.26 set in 1948. This also is the second highest daily rainfall total on record for Milwaukee. The greatest one-day precipitation record was the 6.81 inches which fell on August 6, 1986. Madison also set a record for precipitation for the date at 3.62 inches. This beat the previous mark of 2.21 inches set in 1885. The 3.62 inches of rainfall ranks 13th for the most precipitation received in one day. The record is the 4.96 inches which fell on August 8, 1906.

About 32,000 We Energy utility customers lost electrical power throughout southeast Wisconsin due to the flooding and lightning.

Page 31 of 52 Printed on: 02/10/2011

Deaths &

Property &

**Event Type and Details** 

Date/Time

Location

		Injuries	Crop Dmg	
LAKE MICHIGAN				
SHEBOYGAN TO PT WASHINGTON WI COU	NTY 1.4 E SHEBOYGAN [43.75 08/20/10 16:00 CST	i, -87.69]	0	Marina Thundaratorm Wind (MC 50 lt)
	08/20/10 16:00 CST		0	Marine Thunderstorm Wind (MG 50 kt) Source: C-MAN Station
	00/20/10 10:00 001		O	Source: O-MAIN Station
SHEBOYGAN TO PT WASHINGTON WI COU	NTY 0.6 N PORT WASHINGTO	N [43.39, -87.87]		
	08/20/10 16:11 CST		0	Marine Thunderstorm Wind (MG 43 kt)
	08/20/10 16:20 CST		0	Source: C-MAN Station
Frequent gusts to 43 knots for a nine minute p	eriod.			
A line of strong thunderstorms with a history waters of Lake Michigan north of Milwaukee		ging wind gusts	over the land affe	ected the nearshore
VISCONSIN, Southeast				
WI-Z051) FOND DU LAC, (WI-Z052) SHEBOY	/GAN, (WI-Z056) SAUK, (WI-Z059)	WASHINGTON	(WI-Z060) OZAUŁ	KEE, (WI-Z062) IOWA, (WI-Z069) ROCK
,	08/01/10 00:00 CST		0	Dense Fog
	08/01/10 08:00 CST		0	-
OVA COUNTT 2.3 NW DODGEVILLE 143.	00, -90.17]			
IOWA COUNTY 2.5 NW DODGEVILLE [43.	08/09/10 00:45 CST		0	Thunderstorm Wind (EG 56 kt)
	08/09/10 00:45 CST 08/09/10 00:45 CST		0	Source: Law Enforcement
-	08/09/10 00:45 CST 08/09/10 00:45 CST	sts estimated up	0	Source: Law Enforcement
Sheriff deputies reported large trees were blow	08/09/10 00:45 CST 08/09/10 00:45 CST vn down by thunderstorm wind gus 03], NORTH FREEDOM [43.47, -89		0 to 56 knots (65 mp	Source: Law Enforcement h).
Sheriff deputies reported large trees were blow	08/09/10 00:45 CST 08/09/10 00:45 CST vn down by thunderstorm wind gus 03], NORTH FREEDOM [43.47, -89 08/09/10 01:00 CST		0 to 56 knots (65 mp	Source: Law Enforcement  h).  Thunderstorm Wind (EG 65 kt)
Sheriff deputies reported large trees were blow	08/09/10 00:45 CST 08/09/10 00:45 CST vn down by thunderstorm wind gus 03], NORTH FREEDOM [43.47, -89		0 to 56 knots (65 mp	Source: Law Enforcement h).
Sheriff deputies reported large trees were blow	08/09/10 00:45 CST 08/09/10 00:45 CST vn down by thunderstorm wind gus 03], NORTH FREEDOM [43.47, -89 08/09/10 01:00 CST 08/09/10 01:10 CST	0.87]	0 to 56 knots (65 mp 0 0	Source: Law Enforcement  h).  Thunderstorm Wind (EG 65 kt)
Sheriff deputies reported large trees were blow  SAUK COUNTY LOGANVILLE [43.43, -90.0]  Sheriff deputies reported extensive trees dama	08/09/10 00:45 CST 08/09/10 00:45 CST vn down by thunderstorm wind gus 03], NORTH FREEDOM [43.47, -89 08/09/10 01:00 CST 08/09/10 01:10 CST age from thunderstorm wind gusts	0.87]	0 to 56 knots (65 mp 0 0 knots (75 mph).	Source: Law Enforcement h).  Thunderstorm Wind (EG 65 kt) Source: Law Enforcement
Sheriff deputies reported large trees were blow SAUK COUNTY LOGANVILLE [43.43, -90.0] Sheriff deputies reported extensive trees dama	08/09/10 00:45 CST 08/09/10 00:45 CST vn down by thunderstorm wind gus 03], NORTH FREEDOM [43.47, -89 08/09/10 01:00 CST 08/09/10 01:10 CST age from thunderstorm wind gusts 08/09/10 01:03 CST	0.87]	0 to 56 knots (65 mp 0 0 knots (75 mph).	Source: Law Enforcement  h).  Thunderstorm Wind (EG 65 kt) Source: Law Enforcement  Thunderstorm Wind (EG 56 kt)
Sheriff deputies reported large trees were blow SAUK COUNTY LOGANVILLE [43.43, -90.0] Sheriff deputies reported extensive trees dama	08/09/10 00:45 CST 08/09/10 00:45 CST vn down by thunderstorm wind gus 03], NORTH FREEDOM [43.47, -89 08/09/10 01:00 CST 08/09/10 01:10 CST age from thunderstorm wind gusts	0.87]	0 to 56 knots (65 mp 0 0 knots (75 mph).	Source: Law Enforcement h).  Thunderstorm Wind (EG 65 kt) Source: Law Enforcement
Sheriff deputies reported large trees were blow SAUK COUNTY LOGANVILLE [43.43, -90.0] Sheriff deputies reported extensive trees dama OWA COUNTY MINERAL PT [42.85, -90.16]	08/09/10 00:45 CST 08/09/10 00:45 CST vn down by thunderstorm wind gus 03], NORTH FREEDOM [43.47, -89 08/09/10 01:00 CST 08/09/10 01:10 CST age from thunderstorm wind gusts 08], HOLLANDALE [42.87, -89.93] 08/09/10 01:03 CST 08/09/10 01:03 CST	estimated at 65	0 to 56 knots (65 mp 0 0 knots (75 mph).	Source: Law Enforcement  h).  Thunderstorm Wind (EG 65 kt) Source: Law Enforcement  Thunderstorm Wind (EG 56 kt) Source: Law Enforcement
Sheriff deputies reported large trees were blow  SAUK COUNTY LOGANVILLE [43.43, -90.6  Sheriff deputies reported extensive trees dama  OWA COUNTY MINERAL PT [42.85, -90.18  Sheriff deputies reported large trees down ove	08/09/10 00:45 CST 08/09/10 00:45 CST vn down by thunderstorm wind gus 03], NORTH FREEDOM [43.47, -89 08/09/10 01:00 CST 08/09/10 01:10 CST age from thunderstorm wind gusts 08/09/10 01:03 CST 08/09/10 01:03 CST 08/09/10 01:03 CST	estimated at 65	0 to 56 knots (65 mp 0 0 knots (75 mph).	Source: Law Enforcement  h).  Thunderstorm Wind (EG 65 kt) Source: Law Enforcement  Thunderstorm Wind (EG 56 kt) Source: Law Enforcement
Sheriff deputies reported large trees were blow  SAUK COUNTY LOGANVILLE [43.43, -90.6  Sheriff deputies reported extensive trees dama  OWA COUNTY MINERAL PT [42.85, -90.18  Sheriff deputies reported large trees down ove	08/09/10 00:45 CST 08/09/10 00:45 CST vn down by thunderstorm wind gus 03], NORTH FREEDOM [43.47, -89 08/09/10 01:00 CST 08/09/10 01:10 CST age from thunderstorm wind gusts 08/09/10 01:03 CST 08/09/10 01:03 CST 08/09/10 01:03 CST	estimated at 65	0 to 56 knots (65 mp 0 0 knots (75 mph).	Source: Law Enforcement  h).  Thunderstorm Wind (EG 65 kt) Source: Law Enforcement  Thunderstorm Wind (EG 56 kt) Source: Law Enforcement
Sheriff deputies reported large trees were blow  SAUK COUNTY LOGANVILLE [43.43, -90.6  Sheriff deputies reported extensive trees dama  OWA COUNTY MINERAL PT [42.85, -90.18  Sheriff deputies reported large trees down ove	08/09/10 00:45 CST 08/09/10 00:45 CST 08/09/10 00:45 CST  vn down by thunderstorm wind gus 03], NORTH FREEDOM [43.47, -89 08/09/10 01:00 CST 08/09/10 01:10 CST age from thunderstorm wind gusts 08/09/10 01:03 CST 08/09/10 01:03 CST er many locations across eastern locations each location with the location experiment locations experiment locati	estimated at 65	to 56 knots (65 mp  0 0 knots (75 mph).	Source: Law Enforcement  h).  Thunderstorm Wind (EG 65 kt) Source: Law Enforcement  Thunderstorm Wind (EG 56 kt) Source: Law Enforcement  estorm wind gusts.
Sheriff deputies reported large trees were blow SAUK COUNTY LOGANVILLE [43.43, -90.6 Sheriff deputies reported extensive trees dama OWA COUNTY MINERAL PT [42.85, -90.18 Sheriff deputies reported large trees down ove	08/09/10 00:45 CST 08/09/10 00:45 CST 08/09/10 00:45 CST  vn down by thunderstorm wind gus 03], NORTH FREEDOM [43.47, -89 08/09/10 01:00 CST 08/09/10 01:10 CST age from thunderstorm wind gusts  8], HOLLANDALE [42.87, -89.93] 08/09/10 01:03 CST 08/09/10 01:03 CST er many locations across eastern locations eastern locations across eastern locations eastern location	estimated at 65	to 56 knots (65 mp  0 0 knots (75 mph).  0 0 damaging thunder  0 0	Source: Law Enforcement  th).  Thunderstorm Wind (EG 65 kt) Source: Law Enforcement  Thunderstorm Wind (EG 56 kt) Source: Law Enforcement  estorm wind gusts.  Thunderstorm Wind (EG 65 kt) Source: Law Enforcement
Sheriff deputies reported large trees were blow  SAUK COUNTY LOGANVILLE [43.43, -90.0  Sheriff deputies reported extensive trees dama  IOWA COUNTY MINERAL PT [42.85, -90.18  Sheriff deputies reported large trees down over  COLUMBIA COUNTY 3.0 W LODI [43.32, -6]  Sheriff deputies reported sporadic damage to large trees.	08/09/10 00:45 CST 08/09/10 00:45 CST vn down by thunderstorm wind gus 03], NORTH FREEDOM [43.47, -89 08/09/10 01:00 CST 08/09/10 01:10 CST age from thunderstorm wind gusts  B], HOLLANDALE [42.87, -89.93] 08/09/10 01:03 CST 08/09/10 01:03 CST er many locations across eastern locations eastern locations across eastern locations across eastern locations eastern l	estimated at 65  owa County from  1	to 56 knots (65 mp  0 0 knots (75 mph).  0 0 damaging thunder  0 0	Source: Law Enforcement  th).  Thunderstorm Wind (EG 65 kt) Source: Law Enforcement  Thunderstorm Wind (EG 56 kt) Source: Law Enforcement  estorm wind gusts.  Thunderstorm Wind (EG 65 kt) Source: Law Enforcement
Sheriff deputies reported large trees were blow  SAUK COUNTY LOGANVILLE [43.43, -90.0  Sheriff deputies reported extensive trees dama  IOWA COUNTY MINERAL PT [42.85, -90.18  Sheriff deputies reported large trees down over  COLUMBIA COUNTY 3.0 W LODI [43.32, -6]  Sheriff deputies reported sporadic damage to large trees.	08/09/10 00:45 CST 08/09/10 00:45 CST vn down by thunderstorm wind gus 03], NORTH FREEDOM [43.47, -89 08/09/10 01:00 CST 08/09/10 01:10 CST age from thunderstorm wind gusts  8], HOLLANDALE [42.87, -89.93] 08/09/10 01:03 CST 08/09/10 01:03 CST er many locations across eastern locations across eastern locations across company (12.25 CST) 08/09/10 01:25 CST 08/09/10 01:33 CST large trees from damaging thunder	estimated at 65  owa County from  1	to 56 knots (65 mp  0 0 knots (75 mph).  0 0 damaging thunder  0 0 s estimated at 65 k	Source: Law Enforcement  th).  Thunderstorm Wind (EG 65 kt) Source: Law Enforcement  Thunderstorm Wind (EG 56 kt) Source: Law Enforcement  estorm wind gusts.  Thunderstorm Wind (EG 65 kt) Source: Law Enforcement  nots (75 mph).
Sheriff deputies reported large trees were blow  SAUK COUNTY LOGANVILLE [43.43, -90.6  Sheriff deputies reported extensive trees dama  IOWA COUNTY MINERAL PT [42.85, -90.16  Sheriff deputies reported large trees down ove  COLUMBIA COUNTY 3.0 W LODI [43.32, -6  Sheriff deputies reported sporadic damage to large trees down ove  DANE COUNTY 4.0 NNE VERONA [43.03, -6  DANE COUNTY 4.0 NNE VERON	08/09/10 00:45 CST 08/09/10 00:45 CST vn down by thunderstorm wind gus 03], NORTH FREEDOM [43.47, -89 08/09/10 01:00 CST 08/09/10 01:10 CST age from thunderstorm wind gusts  B], HOLLANDALE [42.87, -89.93] 08/09/10 01:03 CST 08/09/10 01:03 CST er many locations across eastern locations eastern locations across eastern locations across eastern locations eastern l	estimated at 65  owa County from  1	to 56 knots (65 mp  0 0 knots (75 mph).  0 0 damaging thunder  0 0	Source: Law Enforcement  th).  Thunderstorm Wind (EG 65 kt) Source: Law Enforcement  Thunderstorm Wind (EG 56 kt) Source: Law Enforcement  estorm wind gusts.  Thunderstorm Wind (EG 65 kt) Source: Law Enforcement
Sheriff deputies reported large trees were blow  SAUK COUNTY LOGANVILLE [43.43, -90.0]  Sheriff deputies reported extensive trees dama  IOWA COUNTY MINERAL PT [42.85, -90.1]  Sheriff deputies reported large trees down ove  COLUMBIA COUNTY 3.0 W LODI [43.32, -8]  Sheriff deputies reported sporadic damage to 1  DANE COUNTY 4.0 NNE VERONA [43.03, -1]	08/09/10 00:45 CST 08/09/10 00:45 CST 08/09/10 00:45 CST  vn down by thunderstorm wind gus 03], NORTH FREEDOM [43.47, -89 08/09/10 01:00 CST 08/09/10 01:10 CST age from thunderstorm wind gusts  B], HOLLANDALE [42.87, -89.93] 08/09/10 01:03 CST 08/09/10 01:03 CST er many locations across eastern	estimated at 65  owa County from  1  rstorm wind gust	to 56 knots (65 mp)  0 0 knots (75 mph).  0 0 damaging thunder  0 0 s estimated at 65 k	Source: Law Enforcement  th).  Thunderstorm Wind (EG 65 kt) Source: Law Enforcement  Thunderstorm Wind (EG 56 kt) Source: Law Enforcement  estorm wind gusts.  Thunderstorm Wind (EG 65 kt) Source: Law Enforcement  nots (75 mph).  Thunderstorm Wind (EG 65 kt) Source: Law Enforcement
Sheriff deputies reported large trees were blow  SAUK COUNTY LOGANVILLE [43.43, -90.0]  Sheriff deputies reported extensive trees dama  OWA COUNTY MINERAL PT [42.85, -90.1]  Sheriff deputies reported large trees down ove  COLUMBIA COUNTY 3.0 W LODI [43.32, -6]  Sheriff deputies reported sporadic damage to large trees and power  DANE COUNTY 4.0 NNE VERONA [43.03, -6]  Sheriff deputies reported large trees and power	08/09/10 00:45 CST 08/09/10 00:45 CST 08/09/10 00:45 CST  vn down by thunderstorm wind gus 03], NORTH FREEDOM [43.47, -89 08/09/10 01:00 CST 08/09/10 01:10 CST age from thunderstorm wind gusts  8], HOLLANDALE [42.87, -89.93] 08/09/10 01:03 CST 08/09/10 01:03 CST er many locations across eastern	estimated at 65  owa County from  1  rstorm wind gust	to 56 knots (65 mp)  0 0 knots (75 mph).  0 0 damaging thunder  0 0 s estimated at 65 k	Source: Law Enforcement  th).  Thunderstorm Wind (EG 65 kt) Source: Law Enforcement  Thunderstorm Wind (EG 56 kt) Source: Law Enforcement  estorm wind gusts.  Thunderstorm Wind (EG 65 kt) Source: Law Enforcement  nots (75 mph).  Thunderstorm Wind (EG 65 kt) Source: Law Enforcement
Sheriff deputies reported large trees were blow  SAUK COUNTY LOGANVILLE [43.43, -90.0]  Sheriff deputies reported extensive trees dama  IOWA COUNTY MINERAL PT [42.85, -90.18]  Sheriff deputies reported large trees down ove  COLUMBIA COUNTY 3.0 W LODI [43.32, -6]  Sheriff deputies reported sporadic damage to large trees.	08/09/10 00:45 CST 08/09/10 00:45 CST 08/09/10 00:45 CST  vn down by thunderstorm wind gus 03], NORTH FREEDOM [43.47, -89 08/09/10 01:00 CST 08/09/10 01:10 CST age from thunderstorm wind gusts  8], HOLLANDALE [42.87, -89.93] 08/09/10 01:03 CST 08/09/10 01:03 CST er many locations across eastern	estimated at 65  owa County from  1  rstorm wind gust	to 56 knots (65 mp)  0 0 knots (75 mph).  0 0 damaging thunder  0 0 s estimated at 65 k	Source: Law Enforcement  th).  Thunderstorm Wind (EG 65 kt) Source: Law Enforcement  Thunderstorm Wind (EG 56 kt) Source: Law Enforcement  estorm wind gusts.  Thunderstorm Wind (EG 65 kt) Source: Law Enforcement  nots (75 mph).  Thunderstorm Wind (EG 65 kt) Source: Law Enforcement

Page 32 of 52 Printed on: 02/10/2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Sheriff deputies reported damage to large trees from	om thunderstorm wind gusts es	timated at 56 knd	ots (64 mph).	
DANE COUNTY MIDDLETON [43.10, -89.50]				
	08/09/10 01:34 CST		2K	Thunderstorm Wind (EG 65 kt)
	08/09/10 01:34 CST		0	Source: Law Enforcement
Sheriff deputies reported large trees blown down fi the 7000 block of Sagebrush Trail, resulting in min		ind gusts estimat	ed at 65 knots (75	mph). A large tree fell on a house in
COLUMBIA COUNTY RIO [43.45, -89.23], 4.0 S				
	08/09/10 01:52 CST		0	Thunderstorm Wind (EG 56 kt)
	08/09/10 02:10 CST		0	Source: Law Enforcement
Sheriff deputies reported sporadic tree damage from	om thunderstorm wind gusts es	timated at 56 knd	ots (65 mph).	
ROCK COUNTY EDGERTON [42.83, -89.07]				
,	08/09/10 01:55 CST		0	Thunderstorm Wind (EG 65 kt)
	08/09/10 02:05 CST		0	Source: Law Enforcement
Police officials reported tree damage and building	damage from thunderstorm wi	nd gusts estimate	ed at 65 knots (75	mph).
JEFFERSON COUNTY 3.0 SW LAKE MILLS [4	3 05 -88 941 5 0 ENE LAKE N	III I S [43 11 _88	811	
DETT EROOM GOOM T === 0.0 ON EARE MILES [4	08/09/10 02:00 CST	LLO [40:11, -00.	0	Thunderstorm Wind (EG 65 kt)
	08/09/10 02:10 CST		0	Source: Law Enforcement
Police officials reported considerable tree damage	from thunderstorm wind gusts	estimated at 65	knots (75 mph).	
WAUKESHA COUNTY DOUSMAN [43.02, -88.4	17], NASHOTAH [43.10, -88.40	]		
	08/09/10 02:30 CST		0	Thunderstorm Wind (EG 56 kt)
	08/09/10 02:40 CST		0	Source: Law Enforcement
Police officials reported trees and power lines blow	vn down from damaging thunde	erstorm wind gus	s estimated at 56	knots (65 mph).
WASHINGTON COUNTY WEST BEND [43.42,	-88.18], JACKSON [43.32, -88.	 17]		
•	08/09/10 02:50 CST	-	0	Thunderstorm Wind (EG 56 kt)
	08/09/10 02:55 CST		0	Source: Law Enforcement
Police officials reported considerable tree damage a 60 mph (52 knot) wind gust at 350 am CDT.	from thunderstorm wind gusts	estimated at 56	knots (65 mph). Th	ne AWOS at West Bend airport recorded
a oo mpir (oz knot) wina gast at ooo am ob r.				
MILWAUKEE COUNTY 1.0 SW MILWAUKEE T	IMMERMAN AIRPORT [43.10,	-88.04]		
	IMMERMAN AIRPORT [43.10, 08/09/10 03:00 CST	-88.04]	0	Thunderstorm Wind (EG 54 kt)
	=	-88.04]	0	Thunderstorm Wind (EG 54 kt) Source: Law Enforcement
	08/09/10 03:00 CST 08/09/10 03:00 CST maging thunderstorm wind gus	-	0	Source: Law Enforcement
MILWAUKEE COUNTY 1.0 SW MILWAUKEE T  Police officials reported trees blown down from dar	08/09/10 03:00 CST 08/09/10 03:00 CST maging thunderstorm wind gus mph (54 knots) at 4 am CDT. r eastward across the Upper N short wave backed low level v to 3000 J/kg. A linear mesosc the 30-35 knot low-level winds. Idamaging winds along a 10-m te of thunderstorms extensive tergy customers in eastern Sa	ts. A mesonet sit  fississippi River  vinds to the sour  ale convective sy  This system mo  ile-wide path as  ly damaged tree  nuk County and i	0  Valley and into With, which brought ystem developed oved into Wiscons it moved rapidly for and downed ponorthwest Dane Communication.	Source: Law Enforcement  of Divine Savior-Holy Angels High  disconsin during the early a moist, unstable air over Nebraska and moved in shortly after 1 am rom west to east across wer lines, including

in the lower to middle 70s to produce Heat Index values of 100-104 degrees across parts of southern Wisconsin, including the counties

Southwest winds between departing high pressure to the east of Wisconsin and low pressure developing over the Dakotas brought a moist Gulf air mass into the area as temperatures warmed into the low to mid 90's. The warm temperatures combined with dew points

08/11/10 18:00 CST

Page 33 of 52 Printed on: 02/10/2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
f Iowa, Dane, Jefferson, Lafayette, Gree	en, Rock and Walworth.			
WI-Z052) SHEBOYGAN				
	08/12/10 01:00 CST		0	Dense Fog
	08/12/10 04:00 CST		0	
ncreasing low-level moisture and good Wisconsin. The dense fog was most cor norning hours of August 12th.	_		_	
SAUK COUNTY IRONTON [43.55, -90.	13], 3.0 NE LOGANVILLE [43.46, -89.99 08/13/10 11:15 CST	9], 3.0 SE LOGA	NVILLE [43.40, -	89.99], 2.0 W HILLPT [43.42, -90.16] Flash Flood (due to Heavy Rain)
	08/13/10 14:00 CST		0	Source: Newspaper
Several rounds of thunderstorms produce gravel shoulders. In addition, the thunders				
COLUMBIA COUNTY 4.8 N OKEE [43. 89.50]	42, -89.59], 5.0 W DEKORRA [43.46, -8	9.57], 3.0 NW D	EKORRA [43.50,	-89.51], 2.0 NW DEKORRA [43.49,
-00.00]	08/13/10 12:10 CST		0.13M	Flash Flood (due to Heavy Rain)
	08/13/10 13:30 CST		0	Source: Newspaper
Repeated rounds of thunderstorms with head of a warm front, as a low-level jet	= = = = = = = = = = = = = = = = = = =			
for the heavy rain. Precipitable water va	ontributed to the instability needed for	r the thundersto	rms as well as p	rovided ample moisture
or the heavy rain. Precipitable water va fell in extreme northwest Sauk County.	ontributed to the instability needed for lues were over 2 inches. National Wea LLIN [43.92, -88.96], BERLIN [43.97, -88	r the thundersto other Service Do	rms as well as p ppler radar estir	rovided ample moisture anated 5 to 6 inches of rain
or the heavy rain. Precipitable water va fell in extreme northwest Sauk County.	ontributed to the instability needed for lues were over 2 inches. National Wea	r the thundersto other Service Do	rms as well as p	rovided ample moisture
for the heavy rain. Precipitable water variell in extreme northwest Sauk County.  GREEN LAKE COUNTY 3.7 SSW BER  County officials reported a tree fell throug	Ontributed to the instability needed for lues were over 2 inches. National Weak LIN [43.92, -88.96], BERLIN [43.97, -88 08/20/10 14:07 CST 08/20/10 14:15 CST	the thundersto ather Service Do	orms as well as p pppler radar estin 0.10M 2K	rovided ample moisture nated 5 to 6 inches of rain  Thunderstorm Wind (EG 50 kt) Source: County Official
for the heavy rain. Precipitable water variell in extreme northwest Sauk County.  GREEN LAKE COUNTY 3.7 SSW BER  County officials reported a tree fell through damage.	contributed to the instability needed for lues were over 2 inches. National Weat LIN [43.92, -88.96], BERLIN [43.97, -88.08/20/10 14:07 CST.08/20/10 14:15 CST.  than house in Berlin. Power lines were researched.	the thundersto ather Service Do	orms as well as proppler radar esting 0.10M 2K the strong thunder	rovided ample moisture nated 5 to 6 inches of rain  Thunderstorm Wind (EG 50 kt) Source: County Official erstorm gusts, as well as minor crop
for the heavy rain. Precipitable water va fell in extreme northwest Sauk County. GREEN LAKE COUNTY 3.7 SSW BER County officials reported a tree fell through damage.	contributed to the instability needed for lues were over 2 inches. National Weat LIN [43.92, -88.96], BERLIN [43.97, -88 08/20/10 14:07 CST 08/20/10 14:15 CST ha house in Berlin. Power lines were re-89.37]	the thundersto ather Service Do	orms as well as peppler radar esting 0.10M 2K the strong thunder 0	rovided ample moisture nated 5 to 6 inches of rain  Thunderstorm Wind (EG 50 kt) Source: County Official erstorm gusts, as well as minor crop  Thunderstorm Wind (EG 50 kt)
for the heavy rain. Precipitable water va fell in extreme northwest Sauk County. GREEN LAKE COUNTY 3.7 SSW BER County officials reported a tree fell through damage.	contributed to the instability needed for lues were over 2 inches. National Weat LIN [43.92, -88.96], BERLIN [43.97, -88.08/20/10 14:07 CST.08/20/10 14:15 CST.  than house in Berlin. Power lines were researched.	the thundersto ather Service Do	orms as well as proppler radar esting 0.10M 2K the strong thunder	rovided ample moisture nated 5 to 6 inches of rain  Thunderstorm Wind (EG 50 kt) Source: County Official erstorm gusts, as well as minor crop
for the heavy rain. Precipitable water va fell in extreme northwest Sauk County.  GREEN LAKE COUNTY 3.7 SSW BER  County officials reported a tree fell through damage.  GREEN COUNTY BRODHEAD [42.62,	Ontributed to the instability needed for lues were over 2 inches. National Weat LIN [43.92, -88.96], BERLIN [43.97, -88.08/20/10 14:07 CST	the thundersto other Service Do .93]	one of the strong thunder the st	rovided ample moisture nated 5 to 6 inches of rain  Thunderstorm Wind (EG 50 kt) Source: County Official erstorm gusts, as well as minor crop  Thunderstorm Wind (EG 50 kt)
for the heavy rain. Precipitable water va fell in extreme northwest Sauk County.  GREEN LAKE COUNTY 3.7 SSW BER  County officials reported a tree fell through damage.  GREEN COUNTY BRODHEAD [42.62,	Ontributed to the instability needed for lues were over 2 inches. National Weak ILIN [43.92, -88.96], BERLIN [43.97, -88.08/20/10 14:07 CST.08/20/10 14:15 CST.  The a house in Berlin. Power lines were received by the second of	.93] eported down by	0.10M 2K the strong thunder 0	Thunderstorm Wind (EG 50 kt) Source: County Official erstorm gusts, as well as minor crop  Thunderstorm Wind (EG 50 kt) Source: Law Enforcement
for the heavy rain. Precipitable water va fell in extreme northwest Sauk County.  GREEN LAKE COUNTY 3.7 SSW BER  County officials reported a tree fell through damage.  GREEN COUNTY BRODHEAD [42.62,	Ontributed to the instability needed for lues were over 2 inches. National Weat LIN [43.92, -88.96], BERLIN [43.97, -88 08/20/10 14:07 CST 08/20/10 14:15 CST had house in Berlin. Power lines were received by the series of the series were blown down by the series of the series were blown down by the series of	.93] eported down by	0.10M 2K the strong thunder 0 orm gusts.	rovided ample moisture nated 5 to 6 inches of rain  Thunderstorm Wind (EG 50 kt) Source: County Official erstorm gusts, as well as minor crop  Thunderstorm Wind (EG 50 kt) Source: Law Enforcement  Thunderstorm Wind (EG 50 kt)
with moist dew points in the low 70's, core the heavy rain. Precipitable water varied fell in extreme northwest Sauk County.  GREEN LAKE COUNTY 3.7 SSW BER  County officials reported a tree fell through damage.  GREEN COUNTY BRODHEAD [42.62,  County sheriff deputies reported trees and JEFFERSON COUNTY WHITEWATER	Ontributed to the instability needed for lues were over 2 inches. National Weak ILIN [43.92, -88.96], BERLIN [43.97, -88.08/20/10 14:07 CST.08/20/10 14:15 CST.  The a house in Berlin. Power lines were received by the second of	.93] eported down by	0.10M 2K the strong thunder 0	Thunderstorm Wind (EG 50 kt) Source: County Official erstorm gusts, as well as minor crop  Thunderstorm Wind (EG 50 kt) Source: Law Enforcement
for the heavy rain. Precipitable water va fell in extreme northwest Sauk County.  GREEN LAKE COUNTY 3.7 SSW BER  County officials reported a tree fell through damage.  GREEN COUNTY BRODHEAD [42.62,  County sheriff deputies reported trees and JEFFERSON COUNTY WHITEWATER  County sheriff deputies reported trees we The damage was produced by three separates.	Ontributed to the instability needed for lues were over 2 inches. National Weak ILIN [43.92, -88.96], BERLIN [43.97, -88.08/20/10 14:07 CST.08/20/10 14:15 CST.  The a house in Berlin. Power lines were received by the second of	eported down by throng thundersto	0.10M 2K the strong thunder  0 orm gusts.	Thunderstorm Wind (EG 50 kt) Source: County Official erstorm gusts, as well as minor crop  Thunderstorm Wind (EG 50 kt) Source: Law Enforcement  Thunderstorm Wind (EG 50 kt) Source: Law Enforcement  Thunderstorm Wind (EG 50 kt) Source: Law Enforcement
for the heavy rain. Precipitable water value fell in extreme northwest Sauk County.  GREEN LAKE COUNTY 3.7 SSW BER  County officials reported a tree fell through damage.  GREEN COUNTY BRODHEAD [42.62,  County sheriff deputies reported trees and DEFFERSON COUNTY WHITEWATER  County sheriff deputies reported trees were the damage was produced by three separanches of rain that fell in 45 minutes.	contributed to the instability needed for lues were over 2 inches. National Weat lues were over 1 08/20/10 14:07 CST 08/20/10 14:15 CST 08/20/10 14:35 CST 08/20/10 14:35 CST 08/20/10 14:45 CST 08/20/10 14:45 CST 08/20/10 15:30 CST lues lower lines were lues over 1 08/20/10 15:30 CST lues lower lues were lues over 1 08/20/10 15:30 CST lues lu	eported down by throng thundersto the service Do ther Service Do ther Service Do there was also to	0.10M 2K the strong thunded 0 0 0 ust west of Palmy	Thunderstorm Wind (EG 50 kt) Source: County Official erstorm gusts, as well as minor crop  Thunderstorm Wind (EG 50 kt) Source: Law Enforcement  Thunderstorm Wind (EG 50 kt) Source: Law Enforcement  about the strong thunderstorm gusts.  Whitewater and Palmyra caused by 2
for the heavy rain. Precipitable water value fell in extreme northwest Sauk County.  GREEN LAKE COUNTY 3.7 SSW BER  County officials reported a tree fell through damage.  GREEN COUNTY BRODHEAD [42.62,  County sheriff deputies reported trees and DEFFERSON COUNTY WHITEWATER  County sheriff deputies reported trees were the damage was produced by three separanches of rain that fell in 45 minutes.	contributed to the instability needed for lues were over 2 inches. National Weat lues were over 1 08/20/10 14:07 CST 08/20/10 14:15 CST 08/20/10 14:35 CST 08/20/10 14:35 CST 08/20/10 14:45 CST 08/20/10 14:45 CST 08/20/10 15:30 CST lues lower lines were lues over 1 08/20/10 15:30 CST lues lower lues were lues over 1 08/20/10 15:30 CST lues lu	eported down by throng thundersto the service Do ther Service Do ther Service Do there was also to	0.10M 2K the strong thunded 0 0 0 ust west of Palmy	Thunderstorm Wind (EG 50 kt) Source: County Official erstorm gusts, as well as minor crop  Thunderstorm Wind (EG 50 kt) Source: Law Enforcement  Thunderstorm Wind (EG 50 kt) Source: Law Enforcement  about the strong thunderstorm gusts.  Whitewater and Palmyra caused by 2
for the heavy rain. Precipitable water value fell in extreme northwest Sauk County.  GREEN LAKE COUNTY 3.7 SSW BER  County officials reported a tree fell through damage.  GREEN COUNTY BRODHEAD [42.62,  County sheriff deputies reported trees and JEFFERSON COUNTY WHITEWATER  County sheriff deputies reported trees we the damage was produced by three separations of rain that fell in 45 minutes.	contributed to the instability needed for lues were over 2 inches. National Weat lues were over 1 08/20/10 14:07 CST 08/20/10 14:15 CST 08/20/10 14:35 CST 08/20/10 14:35 CST 08/20/10 14:35 CST 08/20/10 14:45 CST 08/20/10 15:30 CST lues lues over lues were blown down by the set of the	eported down by throng thundersto the service Do ther Service Do ther Service Do there was also to	0.10M 2K the strong thunded 0 0 0 orm gusts.	Thunderstorm Wind (EG 50 kt) Source: County Official erstorm gusts, as well as minor crop  Thunderstorm Wind (EG 50 kt) Source: Law Enforcement  Thunderstorm Wind (EG 50 kt) Source: Law Enforcement  aby the strong thunderstorm gusts. Whitewater and Palmyra caused by 2
for the heavy rain. Precipitable water va fell in extreme northwest Sauk County.  GREEN LAKE COUNTY 3.7 SSW BER  County officials reported a tree fell through damage.  GREEN COUNTY BRODHEAD [42.62,	Ontributed to the instability needed for lues were over 2 inches. National Weat lues were research of the lues of the lues of the lues were research of the lues were lues over lues were blown down by the set lues of lue	eported down by  throng thundersto  8, -88.68]  Whitewater to ju  There was also u	0.10M 2K the strong thunded 0 0 0 orm gusts. 0 0 Ust west of Palmy urban flooding in V	Thunderstorm Wind (EG 50 kt) Source: County Official erstorm gusts, as well as minor crop  Thunderstorm Wind (EG 50 kt) Source: Law Enforcement  Thunderstorm Wind (EG 50 kt) Source: Law Enforcement  ra by the strong thunderstorm gusts. Whitewater and Palmyra caused by 2  -88.99] Thunderstorm Wind (MG 50 kt) Source: Law Enforcement
for the heavy rain. Precipitable water value fell in extreme northwest Sauk County.  GREEN LAKE COUNTY 3.7 SSW BER  County officials reported a tree fell through damage.  GREEN COUNTY BRODHEAD [42.62,  County sheriff deputies reported trees and JEFFERSON COUNTY WHITEWATER  County sheriff deputies reported trees were the damage was produced by three separations of rain that fell in 45 minutes.  ROCK COUNTY 2.0 SW DOWNTOWN	contributed to the instability needed for lues were over 2 inches. National Weat lues were resulted by the second of the lues were resulted by the second over lines were blown down by the second over lines were blown down by the second over lues were blown down the city of lues blown down in and around the city of lues blown down by the second lues blown down in and around the city of lues blown down in and around the city of lues blown down in and around the city of lues blown down in and around the city of lues blown down in and around the city of lues blown down in and around the city of lues blown down in and around the city of lues blown down down in around the city of lues blown down down by the second	eported down by  throng thundersto  8, -88.68]  Whitewater to ju  There was also u	0.10M 2K the strong thunded 0 0 0 orm gusts. 0 0 Ust west of Palmy urban flooding in V	Thunderstorm Wind (EG 50 kt) Source: County Official erstorm gusts, as well as minor crop  Thunderstorm Wind (EG 50 kt) Source: Law Enforcement  Thunderstorm Wind (EG 50 kt) Source: Law Enforcement  ra by the strong thunderstorm gusts. Whitewater and Palmyra caused by 2  -88.99] Thunderstorm Wind (MG 50 kt) Source: Law Enforcement
for the heavy rain. Precipitable water value in extreme northwest Sauk County.  GREEN LAKE COUNTY 3.7 SSW BER  County officials reported a tree fell through damage.  GREEN COUNTY BRODHEAD [42.62,  County sheriff deputies reported trees and DEFFERSON COUNTY WHITEWATER  County sheriff deputies reported trees well the damage was produced by three sepanches of rain that fell in 45 minutes.  ROCK COUNTY 2.0 SW DOWNTOWN  County sheriff deputies reported trees and mph (50 knot) wind gust at 345 pm CDT.	contributed to the instability needed for lues were over 2 inches. National Weat lues were resulted by the second of the lues were resulted by the second over lines were blown down by the second over lines were blown down by the second over lues were blown down the city of lues blown down in and around the city of lues blown down by the second lues blown down in and around the city of lues blown down in and around the city of lues blown down in and around the city of lues blown down in and around the city of lues blown down in and around the city of lues blown down in and around the city of lues blown down in and around the city of lues blown down down in around the city of lues blown down down by the second	eported down by  throng thundersto  8, -88.68]  Whitewater to ju  There was also u	0.10M 2K the strong thunded 0 0 0 orm gusts. 0 0 Ust west of Palmy urban flooding in V	Thunderstorm Wind (EG 50 kt) Source: County Official erstorm gusts, as well as minor crop  Thunderstorm Wind (EG 50 kt) Source: Law Enforcement  Thunderstorm Wind (EG 50 kt) Source: Law Enforcement  ra by the strong thunderstorm gusts. Whitewater and Palmyra caused by 2  -88.99] Thunderstorm Wind (MG 50 kt) Source: Law Enforcement

Page 34 of 52 Printed on: 02/10/2011

County sheriff deputies reported trees and power lines were blown down by the strong thunderstorm gusts.

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
JEFFERSON COUNTY FT ATK	INSON [42.93, -88.85]			
	08/20/10 15:15 CST		0	Thunderstorm Wind (EG 50 kt)
	08/20/10 15:15 CST		0	Source: Law Enforcement
County sheriff deputies reported tro	ees were blown down by the strong thunderst	torm gusts.		
SAUK COUNTY 8.0 W LA VALI	LE [43.58, -90.29], 3.0 E LA VALLE [43.58, -9	0.07]		
	08/20/10 15:18 CST		0	Thunderstorm Wind (EG 50 kt)
	08/20/10 15:18 CST		0	Source: Law Enforcement
County sheriff deputies reported tro	ees were blown down by the strong thunderst	torm gusts.		
JEFFERSON COUNTY 4.0 NW	LAKE MILLS [43.12, -88.96], WATERTOWN	[43.20, -88.72]		
	08/20/10 15:25 CST		0	Thunderstorm Wind (EG 50 kt)
	08/20/10 15:30 CST		0	Source: Law Enforcement
County sheriff deputies reported tro	ees were blown down by the strong thunderst	torm gusts.		
WAUKESHA COUNTY STONEE	BANK [43.15, -88.42]			
	08/20/10 15:28 CST		0	Thunderstorm Wind (EG 50 kt)
	08/20/10 15:28 CST		0	Source: Law Enforcement
County sheriff deputies reported tre	ees were blown down by the strong thunderst	torm gusts.		
JEFFERSON COUNTY 3.7 NE (	OAK HILL [42.97, -88.55]			
	08/20/10 15:36 CST		0	Thunderstorm Wind (MG 50 kt)
	08/20/10 15:36 CST		0	Source: Official NWS Observations
DODGE COUNTY LOWELL [43	08/20/10 15:40 CST 08/20/10 15:40 CST		0	Thunderstorm Wind (EG 50 kt) Source: Law Enforcement
O				
County sheriff deputies reported tre	ees were blown down in the Lowell area by th	e strong thunders	storm gusts.	
WASHINGTON COUNTY SLING			0	Thursdood and Mind (MO 50 LA)
	08/20/10 15:45 CST 08/20/10 15:45 CST		0	Thunderstorm Wind (MG 53 kt) Source: Mesonet
The peak thunderstorm wind gust o	of 61 mph (53 knots) was measured at a mes	onet site in Slinge		Source, Mesorier
DODGE COUNTY HORICON 14	3.45, -88.63], 3.0 W LOMIRA [43.58, -88.49]			
	08/20/10 15:50 CST		0	Thunderstorm Wind (EG 50 kt)
	08/20/10 15:50 CST		0	Source: Law Enforcement
County sheriff deputies reported tro	ees were blown down by the strong thunderst	torm gusts.		
SHEBOYGAN COUNTY OOSTE	BURG [43.62, -87.80], SHEBOYGAN [43.75, - 08/20/10 15:52 CST	87.72]	0	Thunderstorm Wind (EG 52 kt)
	08/20/10 16:00 CST		0	Source: Law Enforcement
	ree damage due to thunderstorm wind gusts a rbor recorded a 49 knot (56 mph) wind gust at		Oostburg to the cit	ty of Sheboygan. The Sheboygan
WAUKESHA COUNTY 3.0 SE F				
	08/20/10 16:00 CST		0	Thunderstorm Wind (MG 56 kt)
	08/20/10 16:00 CST		0	Source: Trained Spotter

The peak thunderstorm wind gust of 65 mph (56 knots) measured by a trained spotter.

Page 35 of 52 Printed on: 02/10/2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
NASHINGTON COUNTY WEST BEND [43.42, -8	=			
	08/20/10 16:01 CST		0	Thunderstorm Wind (MG 64 kt)
	08/20/10 16:01 CST		0	Source: Mesonet
The peak thunderstorm wind gust of 74 mph (64 kn	ots) was measured by a tra	ined spotter in We	st Bend.	
FOND DU LAC COUNTY 0.5 NW EDEN [43.71, -	=		751/	Thursdarstorm Wind (FO 50 lt)
	08/20/10 16:10 CST		75K 0	Thunderstorm Wind (EG 50 kt)
	08/20/10 16:10 CST		U	Source: Law Enforcement
_aw enforcement officials reported a 100-year old b	arn was blown down by thu	ınderstorm wind gı	usts estimated at 5	0 knots (58 mph).
MARQUETTE COUNTY OXFORD [43.78, -89.57]			•	T
	08/20/10 16:10 CST		0	Thunderstorm Wind (EG 56 kt)
	08/20/10 16:10 CST		0	Source: Amateur Radio
An amateur radio operator reported tree damage armph).	nd power lines blown down	onto a home in Ox	ford by thundersto	rm wind gusts estimated at 56 knots (65
COLUMBIA COUNTY 5.0 N PARDEEVILLE [43.0			_	
	08/20/10 16:25 CST		0	Thunderstorm Wind (EG 56 kt)
	08/20/10 16:25 CST		0	Source: Emergency Manager
The Columbia County emergency manager reporte		nunderstorm wind	gusts estimated at	56 knots (65 mph).
SHEBOYGAN COUNTY 2.5 W RANDOM LAKE	[ <b>43.55, -88.02]</b> 08/20/10 16:25 CST		0	Thunderstorm Wind (EG 56 kt)
	08/20/10 16:25 CST		0	Source: Fire Department/Rescue
Fire officials reported tree damage by thunderstorm FOND DU LAC COUNTY 3.0 SE CAMPBELLSPO		s knots (65 mpn).		
	08/20/10 16:30 CST		0	Thunderstorm Wind (EG 70 kt)
	08/20/10 16:30 CST		0	Source: Law Enforcement
Law enforcement officials reported shingles blown of	off a home and tree damage	e by thunderstorm	wind gusts estimat	ed at 70 knots (81 mph).
GREEN LAKE COUNTY DALTON [43.65, -89.20	]			
GREEN LAKE COUNTY DALTON [43.65, -89.20	08/20/10 16:30 CST		0	Thunderstorm Wind (EG 56 kt)
GREEN LAKE COUNTY DALTON [43.65, -89.20			0	Thunderstorm Wind (EG 56 kt) Source: Emergency Manager
	08/20/10 16:30 CST 08/20/10 16:30 CST	/ thunderstorm win	0	Source: Emergency Manager
The Green Lake County emergency manager repor	08/20/10 16:30 CST 08/20/10 16:30 CST ted tree damage caused by	/ thunderstorm win	0 d gusts estimated	Source: Emergency Manager at 56 knots (65 mph).
The Green Lake County emergency manager repor	08/20/10 16:30 CST 08/20/10 16:30 CST ted tree damage caused by 08/20/10 16:30 CST	/ thunderstorm win	0 d gusts estimated	Source: Emergency Manager at 56 knots (65 mph).  Thunderstorm Wind (EG 56 kt)
The Green Lake County emergency manager repor	08/20/10 16:30 CST 08/20/10 16:30 CST ted tree damage caused by	/ thunderstorm win	0 d gusts estimated	Source: Emergency Manager at 56 knots (65 mph).
The Green Lake County emergency manager repores SHEBOYGAN COUNTY WALDO [43.67, -87.95]	08/20/10 16:30 CST 08/20/10 16:30 CST ted tree damage caused by 08/20/10 16:30 CST 08/20/10 16:30 CST		0 d gusts estimated	Source: Emergency Manager at 56 knots (65 mph).  Thunderstorm Wind (EG 56 kt)
The Green Lake County emergency manager reporest.  SHEBOYGAN COUNTY WALDO [43.67, -87.95]  Fire officials reported tree damage by thunderstorm	08/20/10 16:30 CST 08/20/10 16:30 CST ted tree damage caused by 08/20/10 16:30 CST 08/20/10 16:30 CST wind gusts estimated at 56		0 d gusts estimated	Source: Emergency Manager at 56 knots (65 mph).  Thunderstorm Wind (EG 56 kt) Source: Fire Department/Rescue
The Green Lake County emergency manager reporest.  SHEBOYGAN COUNTY WALDO [43.67, -87.95]  Fire officials reported tree damage by thunderstorm	08/20/10 16:30 CST 08/20/10 16:30 CST ted tree damage caused by 08/20/10 16:30 CST 08/20/10 16:30 CST wind gusts estimated at 56		0 d gusts estimated	Source: Emergency Manager at 56 knots (65 mph).  Thunderstorm Wind (EG 56 kt) Source: Fire Department/Rescue  Thunderstorm Wind (EG 50 kt)
GREEN LAKE COUNTY DALTON [43.65, -89.20 The Green Lake County emergency manager repor SHEBOYGAN COUNTY WALDO [43.67, -87.95] Fire officials reported tree damage by thunderstorm WALWORTH COUNTY 0.5 SE WALWORTH [42	08/20/10 16:30 CST 08/20/10 16:30 CST ted tree damage caused by 08/20/10 16:30 CST 08/20/10 16:30 CST wind gusts estimated at 56		0 d gusts estimated	Source: Emergency Manager at 56 knots (65 mph).  Thunderstorm Wind (EG 56 kt) Source: Fire Department/Rescue
The Green Lake County emergency manager reporest.  SHEBOYGAN COUNTY WALDO [43.67, -87.95]  Fire officials reported tree damage by thunderstorm	08/20/10 16:30 CST 08/20/10 16:30 CST ted tree damage caused by 08/20/10 16:30 CST 08/20/10 16:30 CST wind gusts estimated at 56 52, -88.59] 08/20/10 16:30 CST 08/20/10 16:30 CST	6 knots (65 mph).	0 d gusts estimated 0 0 0	Source: Emergency Manager at 56 knots (65 mph).  Thunderstorm Wind (EG 56 kt) Source: Fire Department/Rescue  Thunderstorm Wind (EG 50 kt) Source: Emergency Manager
The Green Lake County emergency manager reports  SHEBOYGAN COUNTY WALDO [43.67, -87.95]  Fire officials reported tree damage by thunderstorm  WALWORTH COUNTY 0.5 SE WALWORTH [42]  The Walworth County Emergency Manager reporte	08/20/10 16:30 CST 08/20/10 16:30 CST ted tree damage caused by 08/20/10 16:30 CST 08/20/10 16:30 CST wind gusts estimated at 56 52, -88.59] 08/20/10 16:30 CST 08/20/10 16:30 CST	6 knots (65 mph).	0 d gusts estimated 0 0 0	Source: Emergency Manager at 56 knots (65 mph).  Thunderstorm Wind (EG 56 kt) Source: Fire Department/Rescue  Thunderstorm Wind (EG 50 kt) Source: Emergency Manager
The Green Lake County emergency manager reporest the Green Lake County WALDO [43.67, -87.95]  Fire officials reported tree damage by thunderstorm WALWORTH COUNTY 0.5 SE WALWORTH [42]	08/20/10 16:30 CST 08/20/10 16:30 CST ted tree damage caused by 08/20/10 16:30 CST 08/20/10 16:30 CST wind gusts estimated at 56 52, -88.59] 08/20/10 16:30 CST 08/20/10 16:30 CST	6 knots (65 mph).	0 d gusts estimated 0 0 0	Source: Emergency Manager at 56 knots (65 mph).  Thunderstorm Wind (EG 56 kt) Source: Fire Department/Rescue  Thunderstorm Wind (EG 50 kt) Source: Emergency Manager

The Walworth County Emergency Manager reported tree damage caused by thunderstorm winds estimated at 50 knots (58 mph).

Page 36 of 52 Printed on: 02/10/2011

## Storm Data and Unusual Weather Phenomena - August 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
OZAUKEE COUNTY PORT WASHIN	NGTON [43.38, -87.87]			
	08/20/10 16:38 CST		0	Thunderstorm Wind (EG 56 kt)
	08/20/10 16:38 CST		0	Source: Law Enforcement
aw enforcement officials reported tree	damage by thunderstorm wind gusts es	timated at 56 kno	ts (65 mph).	
GREEN LAKE COUNTY 1.5 ESE GI	REEN LAKE [43.82, -88.92], 2.5 ENE GR	EEN LAKE [43.84	l, -88.90]	
	08/20/10 16:40 CST	_	0	Thunderstorm Wind (EG 87 kt)
	08/20/10 16:42 CST		0	Source: NWS Storm Survey
prooted or snapped along the path of			were damaged by	the winds. Four dozen trees were
SHEBOYGAN COUNTY SHEBOYG	<b>AN FALLS [43.73, -87.82], KOHLER [43</b> . 08/20/10 16:40 CST	.73, -87.78]	0	Thunderstorm Wind (EG 56 kt)
	08/20/10 16:40 CST		0	Source: Fire Department/Rescue
Fire officials reported tree damage by t	hunderstorm wind gusts estimated at 56	knots (65 mph).		
SHEBOYGAN COUNTY HOWARDS	GROVE [43.83, -87.82]			
	08/20/10 16:45 CST		0	Thunderstorm Wind (EG 56 kt)
	08/20/10 16:45 CST		0	Source: Fire Department/Rescue
Fire officials reported tree damage by t	hunderstorm wind gusts estimated at 56	knots (65 mph).		
the Central Plains provided large-sca central Wisconsin back to surface lov mass, with temperatures in the 80's a profiles were favorable for supercells	lank of an elongated large-scale trough le lift for thunderstorm development ov v pressure over west-central Minnesota nd dew points in the lower 70's product as well as multicell line segments that he damage. WE energies reported 23,00	ver southern Wise a. This placed so sing CAPE values t produced dama	consin. A warm frouthern Wisconsin reaching 2000 J/kging wind gusts. T	ont extended across in a warm humid air cg. Deep-layer shear
(WI-Z058) DODGE				
WI-Z058) DODGE	08/22/10 03:00 CST		0	Dense Fog

Light winds and a lingering humid air mass over the region led to the formation of dense fog over a small part of Southeast Wisconsin. While many areas saw visibilities fall to 1/2 mile to 1 mile, only Dodge County experienced dense fog with visibilities of 1/8 to 1/4 mile.

Page 37 of 52 Printed on: 02/10/2011

Property &

**Event Type and Details** 

Deaths &

Date/Time

Location

knots (75 mph). Damage amount is estimated.

		Injuries	Crop Dmg	
AKE MICHIGAN				
-				
PT WASHINGTON TO NORTH PT LT WI COUNT		ON [43.39, -87.87]		
	09/02/10 18:44 CST		0	Marine Thunderstorm Wind (MG 36 kt)
	09/02/10 18:44 CST		0	Source: C-MAN Station
SHEBOYGAN TO PT WASHINGTON WI COUNTY	′ 0.6 N PORT WASHINGTO	ON [43.39, -87.87]		
	09/02/10 18:44 CST		0	Marine Thunderstorm Wind (MG 36 kt)
	09/02/10 18:44 CST		0	Source: C-MAN Station
VIND PT LT WI TO WINTHROP HBR IL COUNTY	1.2 ENE KENOSHA [42.59	9, -87.81]		
	09/02/10 20:00 CST	•	0	Marine Thunderstorm Wind (MG 34 kt)
	09/02/10 20:00 CST		0	Source: C-MAN Station
A broken line of strong to severe thunderstorms	s affected the nearshore water	ers of Lake Michiga	n during the ea	rly evening.
VIND PT LT WI TO WINTHROP HBR IL COUNTY	1.2 ENE KENOSHA [42.59	9, -87.81]		
	09/21/10 17:20 CST	- -	0	Marine Thunderstorm Wind (MG 39 kt)
	09/21/10 17:20 CST		0	Source: C-MAN Station
nd early evening.				
WISCONSIN, Southeast				
	.181			
	.18] 09/02/10 16:20 CST		0	Thunderstorm Wind (EG 56 kt)
	-		0	Thunderstorm Wind (EG 56 kt) Source: Law Enforcement
OWA COUNTY 5.0 N MINERAL PT [42.92, -90	09/02/10 16:20 CST 09/02/10 16:20 CST	storm wind gusts est	0	Source: Law Enforcement
OWA COUNTY 5.0 N MINERAL PT [42.92, -90 Sheriff deputies reported 5 to 6 large trees were burston Ridge.	09/02/10 16:20 CST 09/02/10 16:20 CST lown down by strong thunders	storm wind gusts est	0	Source: Law Enforcement
OWA COUNTY 5.0 N MINERAL PT [42.92, -90 heriff deputies reported 5 to 6 large trees were burion Ridge.	09/02/10 16:20 CST 09/02/10 16:20 CST lown down by strong thunders DEERFIELD [43.05, -89.07] 09/02/10 17:32 CST	storm wind gusts est	0	Source: Law Enforcement ots (65 mph) north of Mineral Point on Thunderstorm Wind (EG 56 kt)
OWA COUNTY 5.0 N MINERAL PT [42.92, -90 Sheriff deputies reported 5 to 6 large trees were b Union Ridge.	09/02/10 16:20 CST 09/02/10 16:20 CST lown down by strong thunders	storm wind gusts est	0 imated at 56 kno	Source: Law Enforcement ots (65 mph) north of Mineral Point on
OWA COUNTY 5.0 N MINERAL PT [42.92, -90 Sheriff deputies reported 5 to 6 large trees were b Union Ridge.  DANE COUNTY STOUGHTON [42.92, -89.22], A trained spotter reported trees blown down by str	09/02/10 16:20 CST 09/02/10 16:20 CST lown down by strong thunders DEERFIELD [43.05, -89.07] 09/02/10 17:32 CST 09/02/10 17:35 CST rong thunderstorm wind gusts	estimated at 56 kno	0 imated at 56 knd	Source: Law Enforcement ots (65 mph) north of Mineral Point on Thunderstorm Wind (EG 56 kt) Source: Trained Spotter
OWA COUNTY 5.0 N MINERAL PT [42.92, -90 Sheriff deputies reported 5 to 6 large trees were be Union Ridge.  DANE COUNTY STOUGHTON [42.92, -89.22], a trained spotter reported trees blown down by strained spotter tree fell on a truck in Stoughton.	09/02/10 16:20 CST 09/02/10 16:20 CST lown down by strong thunders DEERFIELD [43.05, -89.07] 09/02/10 17:32 CST 09/02/10 17:35 CST rong thunderstorm wind gusts Damage amount is estimated	estimated at 56 kno d.	0 imated at 56 knd 1K 0 ts (65 mph) alor	Source: Law Enforcement ots (65 mph) north of Mineral Point on Thunderstorm Wind (EG 56 kt) Source: Trained Spotter ng a path from Stoughton to Deerfield.
OWA COUNTY 5.0 N MINERAL PT [42.92, -90 Sheriff deputies reported 5 to 6 large trees were be Union Ridge.  DANE COUNTY STOUGHTON [42.92, -89.22], a trained spotter reported trees blown down by strained spotter tree fell on a truck in Stoughton.	09/02/10 16:20 CST 09/02/10 16:20 CST lown down by strong thunders DEERFIELD [43.05, -89.07] 09/02/10 17:32 CST 09/02/10 17:35 CST rong thunderstorm wind gusts Damage amount is estimated 8.90], 2.4 E CAMBRIDGE ARI 09/02/10 17:40 CST	estimated at 56 kno d.	0 imated at 56 known of the following of	Source: Law Enforcement ots (65 mph) north of Mineral Point on  Thunderstorm Wind (EG 56 kt) Source: Trained Spotter ag a path from Stoughton to Deerfield.  Thunderstorm Wind (EG 56 kt)
OWA COUNTY 5.0 N MINERAL PT [42.92, -90 Sheriff deputies reported 5 to 6 large trees were b Jnion Ridge.  DANE COUNTY STOUGHTON [42.92, -89.22], A trained spotter reported trees blown down by str A 3-foot diameter tree fell on a truck in Stoughton.	09/02/10 16:20 CST 09/02/10 16:20 CST lown down by strong thunders DEERFIELD [43.05, -89.07] 09/02/10 17:32 CST 09/02/10 17:35 CST rong thunderstorm wind gusts Damage amount is estimated	estimated at 56 kno d.	0 imated at 56 knd 1K 0 ts (65 mph) alor	Source: Law Enforcement ots (65 mph) north of Mineral Point on Thunderstorm Wind (EG 56 kt) Source: Trained Spotter ng a path from Stoughton to Deerfield.
OWA COUNTY 5.0 N MINERAL PT [42.92, -90 Sheriff deputies reported 5 to 6 large trees were b Junion Ridge.  DANE COUNTY STOUGHTON [42.92, -89.22], A trained spotter reported trees blown down by str A 3-foot diameter tree fell on a truck in Stoughton.  DEFFERSON COUNTY LAKE MILLS [43.08, -8] Sheriff deputies reported trees blown down by street	09/02/10 16:20 CST 09/02/10 16:20 CST lown down by strong thunders  DEERFIELD [43.05, -89.07] 09/02/10 17:32 CST 09/02/10 17:35 CST  rong thunderstorm wind gusts Damage amount is estimated  8.90], 2.4 E CAMBRIDGE ARI 09/02/10 17:40 CST 09/02/10 17:45 CST	estimated at 56 kno d. PT [42.98, -88.95]	0 imated at 56 km of the following the follo	Source: Law Enforcement  ots (65 mph) north of Mineral Point on  Thunderstorm Wind (EG 56 kt) Source: Trained Spotter  ng a path from Stoughton to Deerfield.  Thunderstorm Wind (EG 56 kt) Source: Law Enforcement
OWA COUNTY 5.0 N MINERAL PT [42.92, -90 Sheriff deputies reported 5 to 6 large trees were b Jnion Ridge.  DANE COUNTY STOUGHTON [42.92, -89.22], A trained spotter reported trees blown down by str A 3-foot diameter tree fell on a truck in Stoughton.  DEFFERSON COUNTY LAKE MILLS [43.08, -8 Sheriff deputies reported trees blown down by stra Township.	09/02/10 16:20 CST 09/02/10 16:20 CST 09/02/10 16:20 CST  lown down by strong thunders  DEERFIELD [43.05, -89.07] 09/02/10 17:32 CST 09/02/10 17:35 CST  rong thunderstorm wind gusts Damage amount is estimated  8.90], 2.4 E CAMBRIDGE ARI 09/02/10 17:40 CST 09/02/10 17:45 CST  ong thunderstorm wind gusts ong thunderstorm wind gusts	estimated at 56 kno d. PT [42.98, -88.95]	0 imated at 56 km of the following the follo	Source: Law Enforcement  ots (65 mph) north of Mineral Point on  Thunderstorm Wind (EG 56 kt) Source: Trained Spotter  ng a path from Stoughton to Deerfield.  Thunderstorm Wind (EG 56 kt) Source: Law Enforcement
DWA COUNTY 5.0 N MINERAL PT [42.92, -90 cheriff deputies reported 5 to 6 large trees were be blown Ridge.  DANE COUNTY STOUGHTON [42.92, -89.22], a trained spotter reported trees blown down by strained strained spotter tree fell on a truck in Stoughton.  EFFERSON COUNTY LAKE MILLS [43.08, -8 cheriff deputies reported trees blown down by strained spotter tree fell on a truck in Stoughton.	09/02/10 16:20 CST 09/02/10 16:20 CST 09/02/10 16:20 CST  lown down by strong thunders  DEERFIELD [43.05, -89.07] 09/02/10 17:32 CST 09/02/10 17:35 CST  rong thunderstorm wind gusts Damage amount is estimated  8.90], 2.4 E CAMBRIDGE ARI 09/02/10 17:40 CST 09/02/10 17:45 CST  ong thunderstorm wind gusts ong thunderstorm wind gusts	estimated at 56 kno d. PT [42.98, -88.95]	0 imated at 56 km of the following the follo	Source: Law Enforcement  ots (65 mph) north of Mineral Point on  Thunderstorm Wind (EG 56 kt) Source: Trained Spotter  ng a path from Stoughton to Deerfield.  Thunderstorm Wind (EG 56 kt) Source: Law Enforcement
OWA COUNTY 5.0 N MINERAL PT [42.92, -90 Sheriff deputies reported 5 to 6 large trees were b Jnion Ridge.  DANE COUNTY STOUGHTON [42.92, -89.22], A trained spotter reported trees blown down by str A 3-foot diameter tree fell on a truck in Stoughton.  DEFFERSON COUNTY LAKE MILLS [43.08, -8 Sheriff deputies reported trees blown down by stra Township.	09/02/10 16:20 CST 09/02/10 16:20 CST lown down by strong thunders  DEERFIELD [43.05, -89.07] 09/02/10 17:32 CST 09/02/10 17:35 CST  rong thunderstorm wind gusts Damage amount is estimated  8.90], 2.4 E CAMBRIDGE ARI 09/02/10 17:40 CST 09/02/10 17:45 CST ong thunderstorm wind gusts on the company of the c	estimated at 56 kno d. PT [42.98, -88.95]	0 imated at 56 knd  1K 0 ts (65 mph) alor 0 0 s (65 mph) alor	Source: Law Enforcement  ots (65 mph) north of Mineral Point on  Thunderstorm Wind (EG 56 kt) Source: Trained Spotter  ng a path from Stoughton to Deerfield.  Thunderstorm Wind (EG 56 kt) Source: Law Enforcement  g a line from Lake Mills to Oakland
OWA COUNTY 5.0 N MINERAL PT [42.92, -90] Sheriff deputies reported 5 to 6 large trees were be Union Ridge.  DANE COUNTY STOUGHTON [42.92, -89.22], A trained spotter reported trees blown down by stratal A 3-foot diameter tree fell on a truck in Stoughton.  JEFFERSON COUNTY LAKE MILLS [43.08, -8] Sheriff deputies reported trees blown down by stratal trees for the stoughton.  JEFFERSON COUNTY 1.0 N JEFFERSON [43.08]	09/02/10 16:20 CST 09/02/10 16:20 CST 09/02/10 16:20 CST  lown down by strong thunders  DEERFIELD [43.05, -89.07] 09/02/10 17:32 CST 09/02/10 17:35 CST  rong thunderstorm wind gusts Damage amount is estimated  8.90], 2.4 E CAMBRIDGE ARI 09/02/10 17:40 CST 09/02/10 17:45 CST  ong thunderstorm wind gusts expected by the company of the c	estimated at 56 knod.  PT [42.98, -88.95]  estimated at 56 knot	0 imated at 56 km of the following of th	Source: Law Enforcement ots (65 mph) north of Mineral Point on  Thunderstorm Wind (EG 56 kt) Source: Trained Spotter ag a path from Stoughton to Deerfield.  Thunderstorm Wind (EG 56 kt) Source: Law Enforcement ag a line from Lake Mills to Oakland  Thunderstorm Wind (EG 56 kt)
Sheriff deputies reported 5 to 6 large trees were bunion Ridge.  DANE COUNTY STOUGHTON [42.92, -89.22],  A trained spotter reported trees blown down by strained spotter tree fell on a truck in Stoughton.  JEFFERSON COUNTY LAKE MILLS [43.08, -8]  Sheriff deputies reported trees blown down by strained spotter tree fell on a truck in Stoughton.  JEFFERSON COUNTY LAKE MILLS [43.08, -8]  Sheriff deputies reported trees blown down by strained spotter reported trees blown down by strained spotters.  JEFFERSON COUNTY 1.0 N JEFFERSON [43.08]  A National Weather Service employee reported a WASHINGTON COUNTY 1.0 NW HARTFORD	09/02/10 16:20 CST 09/02/10 16:20 CST lown down by strong thunders  DEERFIELD [43.05, -89.07] 09/02/10 17:32 CST 09/02/10 17:35 CST  rong thunderstorm wind gusts Damage amount is estimated  8.90], 2.4 E CAMBRIDGE ARI 09/02/10 17:40 CST 09/02/10 17:45 CST  rong thunderstorm wind gusts estimated  01, -88.80] 09/02/10 17:49 CST 09/02/10 17:49 CST thunderstorm wind gust estimated	estimated at 56 knod.  PT [42.98, -88.95]  estimated at 56 knot ated at 56 knots (65	0 imated at 56 km of the following of th	Source: Law Enforcement ots (65 mph) north of Mineral Point on  Thunderstorm Wind (EG 56 kt) Source: Trained Spotter ag a path from Stoughton to Deerfield.  Thunderstorm Wind (EG 56 kt) Source: Law Enforcement ag a line from Lake Mills to Oakland  Thunderstorm Wind (EG 56 kt)
Sheriff deputies reported 5 to 6 large trees were burnion Ridge.  DANE COUNTY STOUGHTON [42.92, -89.22],  A trained spotter reported trees blown down by stransfer of the stoughton.  JEFFERSON COUNTY LAKE MILLS [43.08, -8]  Sheriff deputies reported trees blown down by stransfer of the stoughton.  JEFFERSON COUNTY LAKE MILLS [43.08, -8]  Sheriff deputies reported trees blown down by stransfer of the stoughton.  JEFFERSON COUNTY 1.0 N JEFFERSON [43.08]  A National Weather Service employee reported a	09/02/10 16:20 CST 09/02/10 16:20 CST lown down by strong thunders  DEERFIELD [43.05, -89.07] 09/02/10 17:32 CST 09/02/10 17:35 CST  rong thunderstorm wind gusts Damage amount is estimated  8.90], 2.4 E CAMBRIDGE ARI 09/02/10 17:40 CST 09/02/10 17:45 CST  rong thunderstorm wind gusts estimated  01, -88.80] 09/02/10 17:49 CST 09/02/10 17:49 CST thunderstorm wind gust estimated	estimated at 56 knod.  PT [42.98, -88.95]  estimated at 56 knot ated at 56 knots (65	0 imated at 56 km of the following of th	Source: Law Enforcement ots (65 mph) north of Mineral Point on  Thunderstorm Wind (EG 56 kt) Source: Trained Spotter ag a path from Stoughton to Deerfield.  Thunderstorm Wind (EG 56 kt) Source: Law Enforcement ag a line from Lake Mills to Oakland  Thunderstorm Wind (EG 56 kt)

Page 38 of 52 Printed on: 02/10/2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
NAUKESHA COUNTY 1.0 SW OCONOMOW	OC [43.11, -88.49]			
	09/02/10 18:02 CST		0	Hail (0.88 in)
	09/02/10 18:02 CST		0	Source: NWS Employee
WAUKESHA COUNTY NASHOTAH [43.10, -8			0	Thunderstorm Wind (FC 70 kt)
	09/02/10 18:15 CST		0	Thunderstorm Wind (EG 70 kt)
	09/02/10 18:20 CST		0	Source: Law Enforcement
Law enforcement officials reported trees and pover	wer lines blown down by thunder	storm wind gust	s estimated at 70 ki	nots (81 mph).
VAUKESHA COUNTY OCONOMOWOC [43.	12, -88.48]			
-	09/02/10 18:15 CST		0	Hail (0.88 in)
	09/02/10 18:15 CST		0	Source: Trained Spotter
DZAUKEE COUNTY SAUKVILLE [43.38, -87.	•			T
	09/02/10 18:35 CST		0	Thunderstorm Wind (EG 65 kt)
	09/02/10 18:35 CST		0	Source: Emergency Manager
The Ozaukee County Emergency Manager repolamage from the gusty winds, with one home ha		_	ts estimated at 65 I	knots (75 mph). Two houses had siding
hunderstorms produced 1 to 2 inch per hour i	=	ded streets and	l parking lots, esp	ecially on the southwest
hunderstorms produced 1 to 2 inch per hour r side of Madison, Verona and Fitchburg in Dand neet in DeForest, also in Dane County. There	rainfall amounts that briefly floo e County. The heavy downpour were also a few reports of near 48, -88.82]	oded streets and rs and lightning	d parking lots, esp forced officials to sized hail.	ecially on the southwest o cancel a cross country
hunderstorms produced 1 to 2 inch per hour nide of Madison, Verona and Fitchburg in Dancelet in DeForest, also in Dane County. There	rainfall amounts that briefly floc e County. The heavy downpour were also a few reports of near 48, -88.82] 09/06/10 05:28 CST	oded streets and rs and lightning	d parking lots, esp forced officials to sized hail.	pecially on the southwest to cancel a cross country  Hail (1.25 in)
hunderstorms produced 1 to 2 inch per hour reside of Madison, Verona and Fitchburg in Dang neet in DeForest, also in Dane County. There	rainfall amounts that briefly floc e County. The heavy downpour were also a few reports of near 48, -88.82] 09/06/10 05:28 CST 09/06/10 05:28 CST	oded streets and rs and lightning	d parking lots, esp forced officials to sized hail.	ecially on the southwest o cancel a cross country
hunderstorms produced 1 to 2 inch per hour is ide of Madison, Verona and Fitchburg in Danineet in DeForest, also in Danie County. There DODGE COUNTY 1.0 NE BEAVER DAM [43.4] Sheriff deputies reported half dollar-sized hail no	rainfall amounts that briefly floc e County. The heavy downpour were also a few reports of near 48, -88.82] 09/06/10 05:28 CST 09/06/10 05:28 CST ortheast of Beaver Dam.	oded streets and rs and lightning	d parking lots, esp forced officials to sized hail.	pecially on the southwest to cancel a cross country  Hail (1.25 in)
hunderstorms produced 1 to 2 inch per hour relide of Madison, Verona and Fitchburg in Dange neet in DeForest, also in Dane County. There DODGE COUNTY 1.0 NE BEAVER DAM [43.4] Sheriff deputies reported half dollar-sized hail no	rainfall amounts that briefly floc e County. The heavy downpour were also a few reports of near 48, -88.82] 09/06/10 05:28 CST 09/06/10 05:28 CST ortheast of Beaver Dam.	oded streets and rs and lightning	d parking lots, esp forced officials to sized hail.	pecially on the southwest to cancel a cross country  Hail (1.25 in)
hunderstorms produced 1 to 2 inch per hour ride of Madison, Verona and Fitchburg in Dancheet in DeForest, also in Dane County. There DODGE COUNTY 1.0 NE BEAVER DAM [43.4] Sheriff deputies reported half dollar-sized hail no	rainfall amounts that briefly floc e County. The heavy downpour were also a few reports of near 48, -88.82] 09/06/10 05:28 CST 09/06/10 05:28 CST ortheast of Beaver Dam.	oded streets and rs and lightning	d parking lots, esp forced officials to sized hail.  0 0	ecially on the southwest o cancel a cross country  Hail (1.25 in)  Source: Law Enforcement
hunderstorms produced 1 to 2 inch per hour is ide of Madison, Verona and Fitchburg in Dang neet in DeForest, also in Dane County. There DODGE COUNTY 1.0 NE BEAVER DAM [43.4] Sheriff deputies reported half dollar-sized hail no DEFFERSON COUNTY 3.0 NE CONCORD [45]	rainfall amounts that briefly floc e County. The heavy downpour were also a few reports of near 48, -88.82] 09/06/10 05:28 CST 09/06/10 05:28 CST ortheast of Beaver Dam. 3.10, -88.56] 09/06/10 06:17 CST	oded streets and rs and lightning	d parking lots, esp forced officials to sized hail.  0 0	Hail (0.88 in)
chunderstorms produced 1 to 2 inch per hour in side of Madison, Verona and Fitchburg in Dank meet in DeForest, also in Dane County. There DODGE COUNTY 1.0 NE BEAVER DAM [43.4]  Sheriff deputies reported half dollar-sized hail no DEFFERSON COUNTY 3.0 NE CONCORD [45]	rainfall amounts that briefly floc e County. The heavy downpour were also a few reports of near 48, -88.82] 09/06/10 05:28 CST 09/06/10 05:28 CST ortheast of Beaver Dam. 3.10, -88.56] 09/06/10 06:17 CST	oded streets and rs and lightning	d parking lots, esp forced officials to sized hail.  0 0 0	Hail (0.88 in) Source: NWS Employee
hunderstorms produced 1 to 2 inch per hour is ide of Madison, Verona and Fitchburg in Dang neet in DeForest, also in Dane County. There DODGE COUNTY 1.0 NE BEAVER DAM [43.4] Sheriff deputies reported half dollar-sized hail no DEFFERSON COUNTY 3.0 NE CONCORD [45]	rainfall amounts that briefly floc e County. The heavy downpour were also a few reports of near 48, -88.82] 09/06/10 05:28 CST 09/06/10 05:28 CST ortheast of Beaver Dam. 3.10, -88.56] 09/06/10 06:17 CST	oded streets and rs and lightning	d parking lots, esp forced officials to sized hail.  0 0	Hail (0.88 in)
hunderstorms produced 1 to 2 inch per hour is ide of Madison, Verona and Fitchburg in Dang meet in DeForest, also in Dane County. There DODGE COUNTY 1.0 NE BEAVER DAM [43.4] Sheriff deputies reported half dollar-sized hail not be provided the county and provided the county are county and provided the county are county and provided the county and provided the county are county and provided the county and provided the county are county and provided the county are county and provided the county are county and provided the county and provided the county are county are county are county and provided the county are county are county and county are county are county and county are cou	rainfall amounts that briefly floc e County. The heavy downpour were also a few reports of near 48, -88.82] 09/06/10 05:28 CST 09/06/10 05:28 CST ortheast of Beaver Dam. 3.10, -88.56] 09/06/10 06:17 CST 09/06/10 06:17 CST	oded streets and rs and lightning -severe nickel-s	d parking lots, esp forced officials to sized hail.  0 0 0 3K 0	Hail (0.88 in) Source: NWS Employee  Lightning Source: Emergency Manager
Chunderstorms produced 1 to 2 inch per hour is ide of Madison, Verona and Fitchburg in Dank meet in DeForest, also in Dane County. There DODGE COUNTY 1.0 NE BEAVER DAM [43.4]  Sheriff deputies reported half dollar-sized hail not perfectly a size of the perfect of the perf	rainfall amounts that briefly floc e County. The heavy downpour were also a few reports of near 48, -88.82] 09/06/10 05:28 CST 09/06/10 05:28 CST ortheast of Beaver Dam. 3.10, -88.56] 09/06/10 06:17 CST 09/06/10 06:17 CST	oded streets and rs and lightning -severe nickel-s	d parking lots, esp forced officials to sized hail.  0 0 0 3K 0	Hail (0.88 in) Source: NWS Employee  Lightning Source: Emergency Manager
hunderstorms produced 1 to 2 inch per hour relide of Madison, Verona and Fitchburg in Danineet in DeForest, also in Dane County. There DODGE COUNTY 1.0 NE BEAVER DAM [43.4] Sheriff deputies reported half dollar-sized hail not be provided the control of the	rainfall amounts that briefly floc e County. The heavy downpour were also a few reports of near 48, -88.82] 09/06/10 05:28 CST 09/06/10 05:28 CST ortheast of Beaver Dam. 3.10, -88.56] 09/06/10 06:17 CST 09/06/10 06:17 CST	oded streets and rs and lightning -severe nickel-s	d parking lots, esp forced officials to sized hail.  0 0 0 3K 0	Hail (0.88 in) Source: NWS Employee  Lightning Source: Emergency Manager
hunderstorms produced 1 to 2 inch per hour ride of Madison, Verona and Fitchburg in Danineet in DeForest, also in Dane County. There DODGE COUNTY 1.0 NE BEAVER DAM [43.4] Sheriff deputies reported half dollar-sized hail not be provided the control of the co	rainfall amounts that briefly floce e County. The heavy downpour were also a few reports of near 48, -88.82]  09/06/10 05:28 CST  09/06/10 05:28 CST  ortheast of Beaver Dam.  3.10, -88.56]  09/06/10 06:17 CST  09/06/10 06:17 CST  ER [43.18, -87.98]  09/06/10 06:30 CST  09/06/10 06:30 CST	oded streets and rs and lightning -severe nickel-s	d parking lots, esp forced officials to sized hail.  0 0 0 3K 0 eported by the cou	Hail (1.25 in) Source: Law Enforcement  Hail (0.88 in) Source: NWS Employee  Lightning Source: Emergency Manager  inty emergency manager.
hunderstorms produced 1 to 2 inch per hour relide of Madison, Verona and Fitchburg in Danineet in DeForest, also in Dane County. There DODGE COUNTY 1.0 NE BEAVER DAM [43.4] Sheriff deputies reported half dollar-sized hail not be provided the county and provided half dollar-sized hail not be provided half dollar-sized half dollar-sized hail not be provided half dollar-sized hail not be provided half dollar-sized hail not be provided half dollar-sized half	rainfall amounts that briefly floce e County. The heavy downpour were also a few reports of near 48, -88.82]  09/06/10 05:28 CST  09/06/10 05:28 CST  ortheast of Beaver Dam.  3.10, -88.56]  09/06/10 06:17 CST  09/06/10 06:30 CST  09/06/10 06:30 CST  age due to a lightning strike to a  09/06/10 06:45 CST  09/06/10 06:45 CST	oded streets and rs and lightning -severe nickel-s	d parking lots, esp forced officials to sized hail.  0 0 0 3K 0 eported by the cou	Hail (1.00 in)  Hail (1.00 in)
hunderstorms produced 1 to 2 inch per hour is ide of Madison, Verona and Fitchburg in Danineet in DeForest, also in Dane County. There DODGE COUNTY 1.0 NE BEAVER DAM [43.4]  Sheriff deputies reported half dollar-sized hail not DEFFERSON COUNTY 3.0 NE CONCORD [43]  MILWAUKEE COUNTY 0.6 NW BROWN DEED Damage to an antenna and minor electrical dam DODGE COUNTY WAUPUN [43.63, -88.73]  A trained spotter reported quarter-sized hail in Waltained Reported Quarter Spo	rainfall amounts that briefly floce e County. The heavy downpour were also a few reports of near 48, -88.82]  09/06/10 05:28 CST  09/06/10 05:28 CST  ortheast of Beaver Dam.  3.10, -88.56]  09/06/10 06:17 CST  09/06/10 06:30 CST  09/06/10 06:30 CST  age due to a lightning strike to a 09/06/10 06:45 CST  vaupun.	residence was r	d parking lots, esp forced officials to sized hail.  0 0 0 3K 0 eported by the cou	Hail (1.25 in) Source: Law Enforcement  Hail (0.88 in) Source: NWS Employee  Lightning Source: Emergency Manager  Inty emergency manager.  Hail (1.00 in) Source: Trained Spotter
COUNTY 0.6 NW BROWN DEE  COUNTY WAUPUN [43.63, -88.73]  A trained spotter reported quarter-sized hail in WAUKESHA COUNTY 1.0 S DOWNTOWN W	rainfall amounts that briefly floce County. The heavy downpour were also a few reports of near 48, -88.82]  09/06/10 05:28 CST  09/06/10 05:28 CST  ortheast of Beaver Dam.  3.10, -88.56]  09/06/10 06:17 CST  09/06/10 06:17 CST  ER [43.18, -87.98]  09/06/10 06:30 CST  09/06/10 06:30 CST  age due to a lightning strike to a 09/06/10 06:45 CST  //www.	residence was r	d parking lots, esp forced officials to sized hail.  0 0 0 3K 0 eported by the cou	Hail (1.25 in) Source: Law Enforcement  Hail (0.88 in) Source: NWS Employee  Lightning Source: Emergency Manager  Inty emergency manager.  Hail (1.00 in) Source: Trained Spotter
hunderstorms produced 1 to 2 inch per hour is ide of Madison, Verona and Fitchburg in Danineet in DeForest, also in Dane County. There DODGE COUNTY 1.0 NE BEAVER DAM [43.4]  Sheriff deputies reported half dollar-sized hail not DEFFERSON COUNTY 3.0 NE CONCORD [43]  MILWAUKEE COUNTY 0.6 NW BROWN DEED Damage to an antenna and minor electrical dam DODGE COUNTY WAUPUN [43.63, -88.73]  A trained spotter reported quarter-sized hail in Waltained Reported Quarter Spo	rainfall amounts that briefly floce e County. The heavy downpour were also a few reports of near 48, -88.82]  09/06/10 05:28 CST  09/06/10 05:28 CST  ortheast of Beaver Dam.  3.10, -88.56]  09/06/10 06:17 CST  09/06/10 06:30 CST  09/06/10 06:30 CST  age due to a lightning strike to a 09/06/10 06:45 CST  vaupun.	residence was r	d parking lots, esp forced officials to sized hail.  0 0 0 3K 0 eported by the cou	Hail (1.25 in) Source: Law Enforcement  Hail (0.88 in) Source: NWS Employee  Lightning Source: Emergency Manager  Inty emergency manager.  Hail (1.00 in) Source: Trained Spotter
Chunderstorms produced 1 to 2 inch per hour is ide of Madison, Verona and Fitchburg in Danimeet in DeForest, also in Dane County. There DODGE COUNTY 1.0 NE BEAVER DAM [43.4]  Sheriff deputies reported half dollar-sized hail not DEFFERSON COUNTY 3.0 NE CONCORD [43]  MILWAUKEE COUNTY 0.6 NW BROWN DEED Damage to an antenna and minor electrical dam DODGE COUNTY WAUPUN [43.63, -88.73]  A trained spotter reported quarter-sized hail in Walter and Spotter reported quarter-sized hail	rainfall amounts that briefly floce County. The heavy downpour were also a few reports of near 48, -88.82]  09/06/10 05:28 CST  09/06/10 05:28 CST  ortheast of Beaver Dam.  3.10, -88.56]  09/06/10 06:17 CST  09/06/10 06:17 CST  ER [43.18, -87.98]  09/06/10 06:30 CST  09/06/10 06:30 CST  age due to a lightning strike to a 09/06/10 06:45 CST  09/06/10 06:45 CST  //aupun.  //AUKESHA [43.01, -88.22], 1.0 S  09/06/10 07:25 CST  09/06/10 07:30 CST	residence was r	d parking lots, esp forced officials to sized hail.  0 0 0 3K 0 eported by the cou	Hail (1.25 in) Source: Law Enforcement  Hail (0.88 in) Source: NWS Employee  Lightning Source: Emergency Manager  Inty emergency manager.  Hail (1.00 in) Source: Trained Spotter

09/06/10 07:26 CST

09/06/10 07:26 CST

Page 39 of 52 Printed on: 02/10/2011

Source: Amateur Radio

Hail (0.75 in)

0

0

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
MILWAUKEE COUNTY 3.0 S DOWN	NTOWN MILWAUKEE [42.99, -87.97]			
	09/06/10 07:43 CST		0	Hail (0.88 in)
	09/06/10 07:43 CST		0	Source: Trained Spotter
MILWAUKEE COUNTY 1.0 S WEST	ALLIS [42.99, -87.97]			
	09/06/10 07:45 CST		0	Hail (1.00 in)
	09/06/10 07:45 CST		0	Source: Public
The public reported 1 inch-diameter ha	il south of the city of West Allis.			
MARQUETTE COUNTY 5.0 S MONT	FELLO [43.73, -89.32]			
	09/06/10 08:12 CST		0	Hail (0.75 in)
	09/06/10 08:12 CST		0	Source: Trained Spotter
Farly-morning elevated thunderstorn	ns developed on the nose of a 40-45 k	not 850 mb jet un	dor an ovnancivo s	area of upper level
divergence that aided the mid-level w	•	-	•	• •
_	llinois, as the strong low level jet impi	•		

(WI-Z051) FOND DU LAC, (WI-Z052) SHEBOYGAN, (WI-Z058) DODGE, (WI-Z059) WASHINGTON, (WI-Z062) IOWA, (WI-Z063) DANE, (WI-Z065) WAUKESHA, (WI-Z066) MILWAUKEE, (WI-Z067) LAFAYETTE, (WI-Z068) GREEN, (WI-Z069) ROCK, (WI-Z070) WALWORTH, (WI-Z071) RACINE, (WI-Z072) KENOSHA

09/07/10 09:00 CST	1	80K	Strong Wind (MAX 48 kt)
09/07/10 17:00 CST		0	

Direct Fatalities: M80OU

A closed mid to upper-level low tracking across the northern U.S. took an associated surface low from the Dakotas, to Lake Superior and into southern Canada. The tight pressure gradient around this system produced strong winds across southern Wisconsin during the day. Wind gusts reached 40 to 50 mph (35 to 44 knots) in many locations. An 80 year-old Wauwatosa (Milwaukee County) man was killed in his back yard when a tree limb, estimated to weigh 1000 pounds, struck him after being blown down by the strong winds. The limb knocked the man's garage off its foundation. The highest measured wind gust reported in southern Wisconsin was 55 mph (48 knots) measured just southeast of downtown Pewaukee in Waukesha County. There were scattered reports of downed power lines due to broken tree branches falling on wires.

DANE COUNTY 4	0 SW CROSS PI	AINS [43 08	-89 691 1 0 FN	F MONONA [43 08	-89 301

showers of pea to dime-sized hail, with larger stones ranging from 1 inch to 1.75 inches in diameter.

09/18/10 02:35 CST	1M	Hail (2.00 in)
09/18/10 02:55 CST	0	Source: Trained Spotter

Trained spotters reported a 1 to 2 mile-wide swath of damage from hail showers that extended from north of Dodgeville, near Cross Plains, to just east northeast of Monona, dissipating near Interstate 90. Hundreds of vehicles were damaged; many homes had siding, window and screen damage; many trees were stripped of their leaves.

### WAUKESHA COUNTY --- 1.1 ESE MARCY [43.10, -88.11]

09/18/10 04:15 CST	0.10M	Lightning
09/18/10 04:15 CST	0	Source: Newspaper

Lightning struck a house in Brookfield causing a fire in the attic. The lightning strike blew holes in the chimney and the roof of the house. Residents in the home at the time of the strike had escaped by the time firefighters arrived on the scene.

A strong cold front was slowly sagging through southern Wisconsin during the early morning hours of September 18th. Mid-level warm advection and frontogenesis ahead of a short wave moving through the region created forcing and elevated instability, as well as strong effective deep layer shear of 40 to 50 knots, that generated elevated thunderstorms behind the surface cold front. The thunderstorms produced hail showers, turning the ground white, with hail stones up to 1 inch in diameter.

09/21/10 15:00 CST	0	Hail (1.00 in)
09/21/10 15:08 CST	0	Source: Public

ROCK COUNTY --- 1.0 NNE PRAIRIE AIRPORT [42.56, -89.01], 1.3 NE PRAIRIE AIRPORT [42.56, -89.00]

Page 40 of 52 Printed on: 02/10/2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	09/21/10 15:00 CST		1K	Tornado (EF0, L: 0.42 mi , W: 30 yd)
	09/21/10 15:01 CST		0	Source: Amateur Radio
An isolated thunderstorm cell ahead of a broken lin Midwest Severe Storm Tracking and Response Ce (KJVL). The tornado path began just southeast of dissipating east of Franklin Street. The tornado broknocked over, a 20-foot antenna that had been sta 70 to 75 mph. The exact start location is Lat. 42.56 Average path width was 15 yards. The damage and	enter verified this brief, EF0 tor the intersection of CTH G and toke off 6 to 8 inch tree limbs a bilized by guy wires. The EF r 6200 Lon89.01098. The exa	nado around 4.2 i Walton Lane, and nd twisted and broating was determ	miles southeast of S d moved east-north oke off shrubs at th ined by DI27 (TH)	Southern Wisconsin Regional Airport least less than 1/2 mile before e ground. It also bent, and then DOD2, with estimated wind speeds of
ROCK COUNTY 3.0 N BELOIT [42.56, -89.03]				
	09/21/10 15:25 CST		0	Thunderstorm Wind (EG 52 kt)
	09/21/10 15:25 CST		0	Source: Law Enforcement
Law enforcement officials reported several trees we	ere blown down by thundersto	rm wind gusts est	imated at 52 knots	(60 mph).
ROCK COUNTY (JVL)ROCK CO ARPT JA [42.6	62, -89.03]			
	09/21/10 15:30 CST		0	Hail (0.75 in)
	09/21/10 15:30 CST		0	Source: Law Enforcement
ROCK COUNTY 5.0 N BELOIT [42.59, -89.03]				
(42.00, -00.00)	09/21/10 15:34 CST		0	Hail (0.75 in)
	09/21/10 15:34 CST		0	Source: Law Enforcement
WALWORTH COUNTY ALLEN GROVE [42.58,	=			
	09/21/10 15:50 CST		0	Hail (1.00 in)
	09/21/10 15:50 CST		0	Source: Law Enforcement
WALWORTH COUNTY DARIEN [42.60, -88.70]				
	09/21/10 15:57 CST		0	Hail (0.88 in)
	09/21/10 15:57 CST		0	Source: Amateur Radio
WALWORTH COUNTY 2.0 WSW DELAVAN LA	KE [42.6488.64]			
	09/21/10 15:58 CST		0	Hail (0.88 in)
	09/21/10 15:58 CST		0	Source: Trained Spotter
WALWORTH COUNTY 2.0 NNE EAST TROY [4	. <b>2.81, -88.38]</b> 09/21/10 16:09 CST		0	Hail (1.00 in)
	09/21/10 16:09 CST		0	Source: Trained Spotter
	00/21/10 10:00 001		v	Course. Trained operation
RACINE COUNTY ROCHESTER [42.73, -88.22]			_	
	09/21/10 16:32 CST		0	Hail (0.75 in)
	09/21/10 16:32 CST		0	Source: Law Enforcement
MILWAUKEE COUNTY 1.0 SE FRANKLIN [42.8	86, -88.07]			
	09/21/10 16:33 CST		0	Hail (1.00 in)
	09/21/10 16:33 CST		0	Source: Amateur Radio
KENOGHA COUNTY DDIGTOL 142 EE 00 051				
KENOSHA COUNTY BRISTOL [42.55, -88.05]	09/21/10 16:40 CST		0	Hail (1.75 in)
	09/21/10 16:40 CST		0	Source: Law Enforcement
RACINE COUNTY 2.0 SSE WIND LAKE [42.80,	=			T
	09/21/10 16:40 CST		0	Thunderstorm Wind (EG 52 kt)
	09/21/10 16:40 CST		0	Source: Law Enforcement

Page 41 of 52

02/10/2011

Printed on:

Law enforcement reported a thunderstorm wind gust estimated at 52 knots (60 mph).

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
RACINE COUNTY 4.0 W CALEDON	 IIA [42.80, -88.01]			
	09/21/10 16:45 CST		0	Thunderstorm Wind (EG 52 kt)
	09/21/10 16:45 CST		0	Source: Law Enforcement
RACINE COUNTY 4.0 W CALEDON	NIA [42.80, -88.01] 09/21/10 16:47 CST		0	Hail (1.00 in)
	09/21/10 10.47 031		U	Hall (1.00 III)
	00/04/40 40:47 CCT		0	Course I am Enforcement
	09/21/10 16:47 CST		0	Source: Law Enforcement
KENOSHA COUNTY 2.0 SSW SILV	ER LAKE [42.52, -88.19]			
KENOSHA COUNTY 2.0 SSW SILV			0	Source: Law Enforcement  Thunderstorm Wind (EG 52 kt)

Law enforcement officials reported several trees were blown down by thunderstorm wind gusts estimated at 52 knots (60 mph).

A cold front moving through the region was the focus for development of a broken line of thunderstorms ahead of the front during the afternoon and evening. The combination of ascent with a short wave impulse passing over the region, daytime heating, low-level moisture inflow on a 40 knot west southwest low-level jet, and steep low to mid-level lapse rates produced severe thunderstorms with large hail and damaging wind gusts. Additionally, the storms produced a brief, EF0 tornado in Rock County, southeast of Janesville.

(WI-Z066) MILWAUKEE, (WI-Z071) RACINE			
	09/24/10 01:00 CST	10K	Strong Wind (MAX 47 kt)
	09/24/10 05:00 CST	0	

A tight pressure gradient set up over Wisconsin as strong low pressure, located over western Nebraska on the morning of September 23rd, moved northeast to central Lake Superior on the morning of September 24th. Scattered showers that formed ahead of a trailing cold front in the early morning hours transferred momentum down to the surface from a 50 to 55 knot low level jet, located between 1,000 feet and 2,000 feet above ground level. This produced southwest wind gusts between 39 and 48 knots (45 mph and 55 mph) at a few locations in far Southeast Wisconsin. There were scattered reports of downed power lines due to broken tree branches falling on wires.

(WI-Z052) SHEBOYGAN, (WI-Z059) WASHINGTON, (WI-Z060) OZAUKEE, (WI-Z065) WAUKESHA, (WI-Z066) MILWAUKEE, (WI-Z068) GREEN, (WI-Z070) WALWORTH, (WI-Z071) RACINE, (WI-Z072) KENOSHA

09/24/10 11:00 CST 13K Strong Wind (MAX 42 kt)
09/24/10 16:00 CST 0

A strong surface pressure gradient around a departing deep low pressure system moving from central Lake Superior to southwest Quebec, Canada produced westerly wind gusts between 39 and 43 knots (45 and 50 mph) during the afternoon hours, mainly over Southeast Wisconsin. There were scattered reports of downed power lines due to broken tree branches falling on wires.

COLUMBIA COUNTY --- 0.2 SSW WISCONSIN DELLS [43.63, -89.77], 0.5 NNE PORTAGE [43.56, -89.45], 2.9 SSE PORTAGE [43.51, -89.43], 2.0 S WISCONSIN DELLS [43.60, -89.76]

 09/24/10 18:00 CST
 1.23M
 Flood (due to Heavy Rain)

 09/30/10 05:00 CST
 0.20M
 Source: Official NWS Observations

The river at the gage in Portage was in flood from the evening of September 24th through the morning of September 30th, and reached a record flood level of 20.66 feet during the evening of Monday, September 27th. The old record crest at Portage was 20.50 feet on 09/14/1938. The flood waters threatened to break through a century-old earthen dike in the Civil Township of Caledonia. The waters seeped through the dike, but the dike did not fail. The potential levee failures caused voluntary evacuations and road closures along the river from the Dells to Portage. As it turned out, dozens of homes in the Blackhawk Park area just southeast of Portage were cut off when water depths reached a foot on the only road into the area. The Columbia County Emergency Management Director provided the following loss estimates: \$1 M for seasonal and full-time residental homes, \$100,000 for patching and reinforcing part of a 14-mile earthen berm/dike, \$50,000 for gravel shoulder washouts, \$75,000 to a wastwater treatment plant, and \$200,000 to bottomland crops. It was postulated that damage was limited due to the fact that the flood waters rose slowly which reduced the erosional power of water. The EM Director also noted that the Wisconsin River levels in Portage were about a foot higher than that experienced in the Great Flood of 1993, while at Wisconsin Dells the 2010 level was about a foot lower than that experienced in 1993.

Even though heavy rains didn't fall in the surrounding area, record river levels occurred on the Wisconsin River near Portage. A potent, early-fall, storm brought waves of heavy rain to western and central Wisconsin, well upstream from Portage, beginning late on Wednesday, September 22nd and continuing into early Friday, September 24th. Two-day rainfall totals of 4 to 8 inches across the Wisconsin River basin over those parts of Wisconsin resulted in flooding in the river basin from Sauk County near the Wisconsin Dells downstream through Columbia County.

Page 42 of 52 Printed on: 02/10/2011

Location Date/Time Deaths & Property & Event Type and Details Injuries Crop Dmg

Page 43 of 52 Printed on: 02/10/2011

Property &

**Event Type and Details** 

Deaths &

Date/Time

Location

Location	Date/Time	Injuries	Crop Dmg	Event Type and Details
LAKE MICHIGAN				
PT WASHINGTON TO NORTH PT LT WI	10/26/10 06:18 CST	TON [43.39, -87.87]	0	Marine Thunderstorm Wind (MG 38 kt)
	10/26/10 06:18 CST		0	Source: C-MAN Station
				Source: O-MAIN Station
Frequent gusts of 32 to 36kts from 615 ar	m CST to 815 am CST, with peak wi	nd gust of 38kts at 6	S18 am CST.	
WIND PT LT WI TO WINTHROP HBR IL (	= = = = = = = = = = = = = = = = = = = =	.59, -87.81]		
	10/26/10 06:50 CST		0	Marine Thunderstorm Wind (MG 48 kt)
	10/26/10 06:50 CST		0	Source: C-MAN Station
SHEBOYGAN TO PT WASHINGTON WI	COUNTY 1.4 E SHEBOYGAN [43	.75, -87.69]		
	10/26/10 06:56 CST		0	Marine Thunderstorm Wind (MG 41 kt)
	10/26/10 06:56 CST		0	Source: C-MAN Station
Prevailing winds of 31 to 35 kts from 515	am CST to 715 am CST, with peak	gust of 41 kts at 656	am CST.	
			-	
NORTH PT LT TO WIND PT WI COUNTY		E [43.05, -87.88]		Market Thomas Annual (1977)
	10/26/10 07:45 CST		0	Marine Thunderstorm Wind (MG 38 kt)
	10/26/10 08:15 CST		0	Source: C-MAN Station
Frequent gusts to 38kts from 745 am CS	T to 815 am CST.			
WIND PT LT WI TO WINTHROP HBR IL (	COUNTY 1.2 ENE KENOSHA [42]	.59, -87.811		
	10/26/10 08:10 CST	, <u>-</u>	0	Marine Thunderstorm Wind (MG 48 kt)
	10/26/10 08:10 CST		0	Source: C-MAN Station
WISCONSIN, Southeast				
Wiscoldsin, Southeast				
ROCK COUNTY DOWNTOWN JANES		TOWN CENTER [42	<del>-</del>	
	10/26/10 05:07 CST		0	Thunderstorm Wind (EG 65 kt)
	10/26/10 05:15 CST		0	Source: Law Enforcement
County sheriff deputies reported numerous scattered along Interstate 90.	us trees blown down by thunderstorn	n wind gusts estima	ted up to 65 knots	(75 mph). Construction barrels were
JEFFERSON COUNTY HELENVILLE	•			
	10/26/10 05:30 CST		15K	Thunderstorm Wind (EG 65 kt)
	10/26/10 05:30 CST		0	Source: NWS Employee
An NWS employee reported multiple hom	nes with roof shingle damage from th	understorm wind gu	ists estimated up to	o 65 knots (75 mph).
ROCK COUNTY 3.0 NE BELOIT [42.5	5, -88.99]			
	10/26/10 05:35 CST		5K	Thunderstorm Wind (EG 65 kt)
	10/26/10 05:35 CST		0	Source: Trained Spotter
A trained spotter reported sections of a party thunderstorm wind gusts estimated up	· · · · · · · · · · · · · · · · · · ·	I in power lines at th	e intersection of M	filwaukee Road and Freeman Parkway
JEFFERSON COUNTY 3.0 W LAKE M	IILLS [43.08, -88.96], LAKE MILLS [4	43.08, -88.90]		
	10/26/10 05:40 CST		20K	Thunderstorm Wind (EG 65 kt)
	10/26/10 05:45 CST		0	Source: Law Enforcement
			· ·	Course: Lan Emercement

Page 44 of 52 Printed on: 02/10/2011

Location Date/Time Deaths & Property & Event Type and Details

Injuries Crop Dmg

Law enforcement officials reported numerous trees and power lines blown down by thunderstorm wind gusts estimated up to 65 knots (75 mph) in the city of Lake Mills

KENOSHA COUNTY --- KENOSHA AIRPORT [42.60, -87.93]

10/26/10 06:46 CST 0 Thunderstorm Wind (MG 59 kt)

10/26/10 06:46 CST 0 Source: ASOS

The ASOS at the Kenosha airport recorded a thunderstorm wind gust of 59 knots (68 mph) with sustained winds of 43 knots (49 mph). Trees were reported blown down in the vicinity from the thunderstorm wind gusts.

KENOSHA COUNTY --- 1.0 N SOMERS [42.66, -87.90], 1.3 N SOMERS [42.67, -87.90]

10/26/10 06:47 CST 0.10M Tornado (EF1, L: 0.43 mi , W: 100 yd)

10/26/10 06:48 CST 0 Source: NWS Storm Survey

An EF1 tornado developed about 0.95 mile north of Somers, about 2300 feet southwest of the intersection of County Highway KR (County Line Road) and County Highway EA (72nd Avenue). The tornado moved northeast just under one-half mile in Kenosha County before crossing into southern Racine County about 1.34 miles northeast of Somers at the intersection of CTH EA and County Line Rd. While in Kenosha County it destroyed a 6-vehicle garage and damaged a nearby home, trees, and power lines. The tornado path averaged 50 yards in width, with a maximum width of 100 yards. The EF-rating was based on DI 27(TH) DOD 4 with estimated wind speeds up to 100 mph. The exact start location is Lat 42.66377 Lon -87.89961. The exact end location on the Kenosha-Racine County line is Lat 42.66901 Lon -87.89515. Property damage values were estimated.

RACINE COUNTY --- 2.2 S STURTEVANT [42.67, -87.90], 1.4 WNW DOWNTOWN RACINE [42.73, -87.83]

10/26/10 06:48 CST 1M Tornado (EF1, L: 5.40 mi , W: 100 yd)

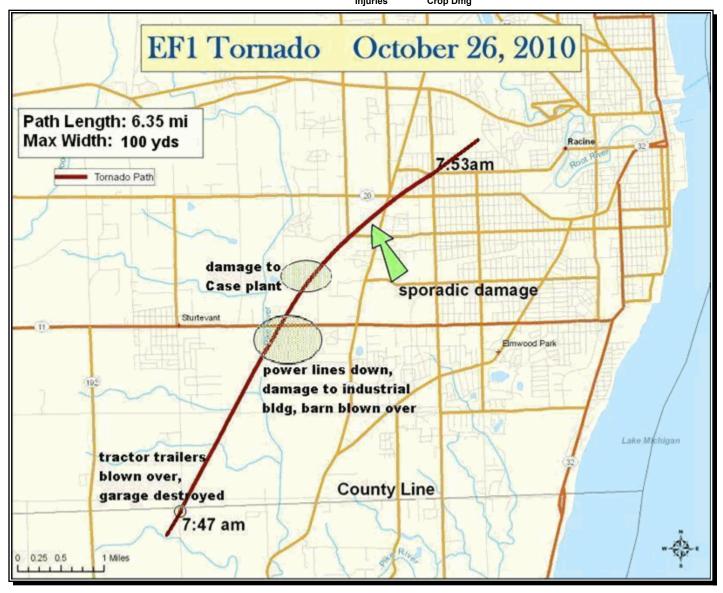
10/26/10 06:53 CST 2 0 Source: NWS Storm Survey

An EF1 tornado that developed in far northern Kenosha County, northeast of Somers, entered Racine County near the intersection of County Highway KR (County Line Road) and 90th Street. After a path length of about 0.43 mile in Kenosha County, it crossed into Racine County where CTH EA (72nd Ave) intersects County Line Rd. The tornado moved northeast and dissipating in the northeast section of Graceland Cemetery on the west side of the City of Racine, about 500 feet west of Osborne Boulevard. In Racine County, the tornado blew a weakly anchored barn (built in the 1920s) off its foundation and damaged an industrial building south of STH 11. Later on, it tore off a 100'x200' roof section of the Case/New Holland building, damaged several HVAC units on the roof, and tore off some of the building's garage doors. The Case/New Holland plant was closed until Monday, November 1st while the roof was being repaired. Two workers in this plant were injured by the tornadoes effects. Additionally, a tractor and it's semi-trailer on the Case/New Holland site were blown over and damaged. wo other businesses on STH 11 reported roof damage. At least 3 homes sustained damage. State Highway 11 was closed for a time in eastern Racine County due to debris and fallen power lines, closing or disrupting business at stores along Highway 11, especially in the 7000 and 7100 blocks. At a church 2 miles northeast of the intersection of STH 11 and Oakes Rd., damage was inflicted to its roof, siding windows and a brick sign. Numerous trees and a few power lines were blown down or broken along the path of the tornado. At one point, about 2700 customers lost electrical power. There were reports of a couple vehicle accidents as drivers tried to avoid the tornado. The tornado path averaged 50 yards in width, with a maximum width of 100 yards. The EF-rating was based on DI 23 DOD 4 EXP103 with estimated wind speeds up to 105 mph. The exact start location in Racine County is Lat 42.66901 Lon -87.89515. The exact end location is Lat 42.72845 Lon -87.82596. The path of the tornado was not a straight line, rather, a rough curved line with an actual path length of 5.92 miles within Racine County. After crossing STH 11 about 1/10 of a mile east of North Branch Pike River, the tornado path bearing changed from NNE to NE. Property damage values are estimated.

An intensifying 50 to 70 knot low-level jet ahead of an intense negatively-tilted upper level trough over the Plains transported low-level moisture and instability into southern Wisconsin during the early morning hours of October 26th. Overall forcing for ascent increased as a vorticity maximum rounded the base of the upper trough and lifted northeast across western Wisconsin. Severe thunderstorms developed ahead of a surface cold/occluded front that trailed from record surface low pressure over northern Minnesota. Strong shear profiles were supportive of rotating updrafts which produced damaging wind gusts and an EF1 tornado that moved from extreme northern Kenosha County into eastern Racine County. For additional related information go to this URL: http://www.crh.noaa.gov/mkx/?n=102610\_recordcyclone.

Page 45 of 52 Printed on: 02/10/2011

Location Date/Time Deaths & Property & Event Type and Details Injuries Crop Dmg



Path of October 26, 2010 Racine County EF-1 tornado.

(WI-Z046) MARQUETTE, (WI-Z047) GREEN LAKE, (WI-Z051) FOND DU LAC, (WI-Z052) SHEBOYGAN, (WI-Z056) SAUK, (WI-Z057) COLUMBIA, (WI-Z058) DODGE, (WI-Z059) WASHINGTON, (WI-Z060) OZAUKEE, (WI-Z062) IOWA, (WI-Z063) DANE, (WI-Z064) JEFFERSON, (WI-Z065) WAUKESHA, (WI-Z066) MILWAUKEE, (WI-Z067) LAFAYETTE, (WI-Z068) GREEN, (WI-Z069) ROCK, (WI-Z070) WALWORTH, (WI-Z071) RACINE, (WI-Z072) KENOSHA

10/26/10 06:00 CST 1.02M High Wind (MAX 55 kt)

10/27/10 18:00 CST 1 0

Long-duration, widespread, southwesterly high winds raked south-central and southeast Wisconsin for about 36 hours, resulting numerous reports of felled trees, broken tree branches, downed power-lines, and damage to structures and vehicles. All of this was generated by a record-breaking, low pressure system which tracked northeast from the Central Plains on Monday, October 25, and then rapidly deepened as it moved northeast across northern Minnesota on Tuesday, October 26. The surface low was being driven by a strong negatively-tilted 500 mb trough moving through the central U.S. A surface weather map at 600 PM October 26th is attached to the Dane County event. For additional on-line information go to this URL: http://www.crh.noaa.gov/mkx/?n=102610\_recordcyclone.

This abnormally strong extra-tropical system broke the record for the lowest sea level pressures measured in the states of Wisconsin and Minnesota. The lowest pressure in Wisconsin occurred at Superior, in far northwest Wisconsin, measuring 961.3 millibars (28.39") at 11:15 AM CDT on the 26th. The previous lowest sea level pressure recorded in Wisconsin was 963.4 millibars (28.45") at Green Bay on April 3 of 1982.

Madison had the second lowest sea level pressure reading on record at 975.3 millibars (28.80 inches of mercury), and Milwaukee had the seventh lowest reading on record at 978.7 millibars (28.90 inches of mercury).

Page 46 of 52 Printed on: 02/10/2011

Location Date/Time Deaths & Property & Event Type and Details

Injuries Crop Dmg

Severe thunderstorms formed along and ahead of a cold front surging eastward ahead of the low. An EF1 tornado formed in northern Kenosha County and tracked northeast across portions of central and eastern Racine County. There were also numerous reports of wind damage from severe thunderstorm winds. All of this severe weather activity is documented in tornado and thunderstorm wind events for October 26th. After the cold front passage, strong subsidence in the "dry slot" of the system produced gradient winds of 22 to 38 knots (25 to 45 mph), with measured gusts to 55 knots (63 mph). Based on severity of resultant damage, isolated maximum wind gusts may have been as high as 61-64 knots (70-75 mph), especially on ridge tops.

The slow-moving low kept the tight pressure gradient draped across south-central and southeast Wisconsin Wednesday, October 27th. Wind speeds slowed for a time Tuesday night as nocturnal cooling prevented mixing up to the strong winds within 3,000 feet of the ground. However, mixing after sunrise on the 27th tapped these stronger winds, with average mixed-layer winds around 50 knots. Winds at many locations were stronger on Wednesday than Tuesday; with sustained speeds of 26 to 39 knots (30 to 45 mph), and estimated gusts to 56 knots (65 mph). Rural Mutual Insurance reported claims from agricultural producers of one million dollars in damage to buildings and equipment from across all of Wisconsin. We Energies reported 20,000 customers in Southeast Wisconsin were without power at the peak of the power outages on Tuesday, October 26th.

Below is a county-by-county breakdown (all damage losses are estimated based on variety of sources):

Marquette Co. - Wind gusts blew down trees and power lines across the county.

Green Lake Co. - Wind gusts blew down trees and power lines across the county. A trained spotter in Berlin measured a 62 mph (54 knot) wind gust at 115 pm CDT on October 27th.

Fond du Lac Co. - Wind gusts blew down trees and power lines across the county. A mesonet site in Bryon measured a 60 mph (52 knot) wind gust at 4 pm CDT on October 27th. The maximum 2-minute wind speeds at the Fond du Lac Airport (KFLD) were 38 and 36 mph on the 26th and 27th, respectively.

Sheboygan Co. - Wind gusts blew down trees and power lines across the county. The Sheboygan C-MAN site in the Sheboygan harbor entrance measured a 62 mph (54 knot) wind gust at 1 pm CDT on October 26th. A mesonet site one mile north of downtown Sheboygan measured a 62 mph (54 knot) wind gust at 430 pm CDT on October 27th. The maximum 2-minute wind speeds at the Sheboygan County Airport (KSBM) were 44 and 46 mph on the 26th and 27th, respectively.

Sauk Co. - Wind gusts blew down trees and power lines across the county. A mesonet site in Baraboo measured a 60 mph (52 knot) wind gust at 1130 am CDT on October 27th. The maximum 2-minute wind speeds at the Lone Rock Airport (KLNR) were 35 and 38 mph on the 26th and 27th, respectively. Just east of Reedsburg, the metal roof of a church storage shed was ripped off. One of shed's support beams crashed through the roof of a the main church building.

Columbia Co. - Wind gusts blew down trees and power lines across the county. A mesonet site in Lodi measured a 59 mph (51 knot) wind gust at 330 pm CDT on October 27th and 50 knots (58 mph) on the 26th. Portage police responded to five wind-related calls, including two downed utility poles and a report of a fallen tree damaging two vehicles.

Dodge Co. - Wind gusts blew down trees and power lines across the county. The RAWS site at Horicon Marsh measured a 53 mph wind gust at a 20-foot height with conversion to the 33-foot standard would bring it to an estimated 61 mph (51 knots) at 101 pm CDT on October 27th. A 53 knot (61 mph) wind gust was measured at a location 5 miles west of Knowles on the 27th. The Dodge County emergency manager reported parts of roofs torn off a couple of pole barns east of Beaver Dam, as well as trees down and shingles blown away.

Washington Co. - Wind gusts blew down trees and power lines across the county. A mesonet site in Bear Valley measured a 62 mph (54 knot) wind gust at 430 pm CDT on October 27th.

Ozaukee Co. - Wind gusts blew down trees and power lines across the county due to wind gusts estimated at 58 mph (50 knots). A large maple tree fell on a portion of a home in Grafton on Wednesday, October 27th, destroying an awning over the front door of the home and damaging roof shingles on the home.

lowa Co. - Wind gusts blew down trees and power lines across the county due to wind gusts estimated at 58 mph (50 knots). U.S. Highway 18-151 north of Dodgeville was closed from 7 am to 330 pm CDT on Tuesday, October 26th due to downed power lines at the intersection with State Highway 23. Also on the 26th, a large tree fell on a home on West Chapel Street in Dodgeville, severely damaging the roof.

Dane Co. - Wind gusts blew down trees and power lines across the county. A Department of Transportation highway sensor on STH 12 in Madison measured a 62 mph (54 knot) wind gust at 4 pm on October 26th. The wind sensor on top of the 15-story University of Wisconsin Atmospheric, Oceanic and Space Sciences Building in Madison measured a wind gust of 72 mph (63 knots) at 150 pm CDT on October 27th. A semi-trailer truck was rolled over by the winds, blocking the westbound lanes of U.S. Highway 151 in Sun Prairie on the 26th. A section of the rubber roof on top of the Westgate Mall was peeled back by the strong winds. A tree fell onto a house on Lakeland Ave. on the east side of Madison, and a tree limb damaged the roof of a house on Regent Street on the west side. A large burr

Page 47 of 52 Printed on: 02/10/2011

Location Date/Time Deaths & Property & Event Type and Details
Injuries Crop Dmg

oak toppled in the strong winds damaged a barn on the grounds of the Sterling North museum in Edgerton on the 27th. Even in a sheltered, residential area 5 miles southwest of Downtown Madison, an observer measured wind gusts to 44 knots (51 mph) at 554 pm CDT on the 27th! At this same location, 1.11" of rain fell on the 26th and a total of 1.54" on Oct 23-24th. It is possible that the wet surface soils were softened by the rains, making it easier for the high winds to knock down trees. The maximum 2-minute wind speeds at the Dane County Regional Airport (KMSN) were 30 and 28 mph on the 26th and 27th, respectively.

Jefferson Co. - Wind gusts blew down trees and power lines across the county from wind gusts estimated at 58 mph (50 knots).

Waukesha Co. - Wind gusts blew down trees and power lines across the county from wind gusts estimated up to 60 mph (52 knots). We Energies reported about 1700 customers without power, mainly in the Oconomowoc and Nashota areas at 9 am CDT on October 26th. A large window was blown out at a sporting goods store in Pewaukee. The county mental health center, the Huber Facility, the county communications center and the county highway shop went to emergency back-up power due to the power outages. The high winds snapped a flag pole at its base at the Hawks Inn Historical Museum in Delafield. in the city of Waukesha a toppled tree damaged a home. At the Waukesha Airport (Crites Field) the high winds destroyed part of a roof of a hangar and damaged a door of an adjacent hanger.

Milwaukee Co. - Wind gusts blew down trees and power lines across the county. A mesonet site in Brown Deer measured wind gust of 63 mph (54 knots) at 430 pm on October 27th. The maximum 2-minute wind speeds at the Milwaukee Airport (KMKE) were 44 and 43 mph on the 26th and 27th, respectively. The strong gusts peeled off exterior wall bricks on two buildings north of downtown Milwaukee along the Milwaukee River. The City of Milwaukee Department of Public Works received 45 calls about broken tree branches, a half dozen reports of minor damage and traffic signals out at a dozen intersections.

Lafayette Co. - Wind gusts blew down trees and power lines across the county from wind gusts estimated up to 58 mph (50 knots).

Green Co. -Wind gusts blew down trees and power lines across the county. A mesonet site in New Glarus measured a wind gust of 62 mph (54 knots) at 340 pm CDT on the 27th.

Rock Co. - Wind gusts, estimated up to 58 mph (50 knots) blew down trees and power lines across the county. A man in Janesville was injured when he was struck by a wind-blown object, possibly a garbage can lid. He was knocked into his outdoor grill, and received hospital treatment. School was canceled and students sent home from Janesville Parker High School when portion of the roof was peeled back by the strong winds (estimated repair of \$215,000). A garage roof was damaged in Janesville by a large oak limb punching a hole in the roof, and a power pole and power line were downed by the winds near the intersection of Center Ave. and Joliet St. southwest of downtown Janesville. A massive burr oak tree in Edgerton was blown over and smashed part of roof of a barn on the grounds of the Sterling North museum.

Walworth Co. - Wind gusts blew down trees and power lines across the county. A mesonet site in Elkhorn recorded a 59 mph (51 knot) wind gust at 3 pm CDT on October 27th. Wind-driven rain leaked through the large windows of the atrium at East Troy High School.

Racine Co. - Wind gusts blew down trees and power lines across the county. A mesonet site in the city of Racine reported a 63 mph (55 knot) wind gust at 3 pm CDT on October 27th. The maximum 2-minute wind speeds at the Racine Airport (KRAC) were 36 and 37 mph on the 26th and 27th, respectively. About 4,000 customers in the county were without power. In the city of Racine, embers blown out of a portable fire pit ignited a nearby shed and a neighboring garage on Glendale Ave. Both the garage and the shed were destroyed. Gilmore Middle School and Wadewitz Elementary School dismissed students for the day around 11 am on Tuesday, October 26th because of power outages at both schools.

Kenosha Co. - Wind gusts blew down trees and power lines across the county, including some road signs. The ASOS at Kenosha County Airport reported a 58 mph (50 knot) wind gust at 344 pm CDT on October 27th. The maximum 2-minute wind speeds at the Kenosha County Airport (KENW) were 49 and 46 mph on the 26th and 27th, respectively. About 1,700 customers lost power when strong winds snapped four utility poles and downed power lines along County Highway KR in Somers. A garage was leveled by the strong winds in the 200 block of 72nd Avenue in Kenosha.

Lake Michigan waters - a buoy in the nearshore waters of Lake Michigan just east of the city of Racine recorded a 12-foot wave on the 26th and 9-foot wave on the 27th. A buoy east of Washington Island (Door Co.) in the middle of Lake Michigan recorded a 21.7 foot wave on the 26th.

Page 48 of 52 Printed on: 02/10/2011

Location Date/Time Deaths & Property & **Event Type and Details** Injuries **Crop Dmg** 

Surface isobaric map of Midwest at 1700 CST (600 PM CDT) October 26, 2010. Note the tight isobaric gradient which generates widespread, strong to high winds. Red "L" denotes position of central low pressure.

Page 49 of 52 Printed on: 02/10/2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
WISCONSIN, Southeast				
DANE COUNTY CROSS PLAINS [	[43.12, -89.63]			
	11/22/10 13:07 CST		0	Hail (0.75 in)
	11/22/10 13:07 CST		0	Source: Trained Spotter
DODGE COUNTY 3.0 W BEAVER	DAM [43.47, -88.89]			
	11/22/10 15:10 CST		0	Hail (0.75 in)
	11/22/10 15:10 CST		0	Source: Trained Spotter
WALWORTH COUNTY 2.9 SSE W	ALWORTH [42.50, -88.57], 1.0 N ZENDA	[42.53, -88.48]		
	11/22/10 15:32 CST		1M	Tornado (EF1, L: 5.33 mi , W: 100 yd)
quickly intensified to EF-1 rating. It mand Zenda Road. Five homes sustail Rd. Collectively, three sheds and two numerous trees and fences. On one homes without electrical power in the	central Walworth County from Illinois about noved northeast for over 5 miles before distance damage, with two homes severely date barns were damaged, with one of the barfarm, 4 cows, and several chickens and tucounty due to downed power-lines. The	ssipating about 1,7 maged. The torna rns flattened. Eigl urkeys were killed average path leng	700 feet southeast of the crossed CTH Bent wooden power power power power power power and the was 60 yards in	of the intersection of County Road BB B where it dog-legs east of Swamp Angel coles were also snapped, along with WeEnergy Utility reported about 4000 width. The EF1 estimated wind speed
quickly intensified to EF-1 rating. It mand Zenda Road. Five homes sustain Rd. Collectively, three sheds and two numerous trees and fences. On one homes without electrical power in the of 105 mph was based on DI 2(FR12) Lat 42.49507 Lon -88.56948. The example of 105 mph was based on DI 2(FR12) Lat 42.49507 Lon -88.56948.	central Walworth County from Illinois about noved northeast for over 5 miles before distance damage, with two homes severely date before distance of barns were damaged, with one of the bafarm, 4 cows, and several chickens and to county due to downed power-lines. The approximate to DOD 4. The loss estimate was produced act end location is Lat 42.53464 Lon -88.4	ssipating about 1,7 maged. The torna rns flattened. Eigl urkeys were killed average path leng d by Walworth Cou	of the intersection '00 feet southeast do crossed CTH B nt wooden power p by tornado debris. th was 60 yards in unty Emergency Ma	of Alden Road and State Line Road, and of the intersection of County Road BB where it dog-legs east of Swamp Angel poles were also snapped, along with WeEnergy Utility reported about 4000 width. The EF1 estimated wind speed anagement. The exact start location is
quickly intensified to EF-1 rating. It mand Zenda Road. Five homes sustain Rd. Collectively, three sheds and two numerous trees and fences. On one homes without electrical power in the of 105 mph was based on DI 2(FR12) Lat 42.49507 Lon -88.56948. The example of 105 mph was based on DI 2000 and the example of 105 mph	central Walworth County from Illinois about noved northeast for over 5 miles before distinct and damage, with two homes severely date to barns were damaged, with one of the bar farm, 4 cows, and several chickens and to county due to downed power-lines. The approximate to DOD 4. The loss estimate was produced act end location is Lat 42.53464 Lon -88.4	ssipating about 1,7 maged. The torna rns flattened. Eigl urkeys were killed average path leng d by Walworth Cou	of the intersection 700 feet southeast do crossed CTH B nt wooden power p by tornado debris. th was 60 yards in unty Emergency Ma	of Alden Road and State Line Road, and of the intersection of County Road BB where it dog-legs east of Swamp Angel poles were also snapped, along with WeEnergy Utility reported about 4000 width. The EF1 estimated wind speed anagement. The exact start location is
quickly intensified to EF-1 rating. It mand Zenda Road. Five homes sustain Rd. Collectively, three sheds and two numerous trees and fences. On one homes without electrical power in the of 105 mph was based on DI 2(FR12) Lat 42.49507 Lon -88.56948. The example of 105 mph was based on DI 2000 and the example of 105 mph	central Walworth County from Illinois about noved northeast for over 5 miles before distance damage, with two homes severely date before distance of barns were damaged, with one of the bafarm, 4 cows, and several chickens and to county due to downed power-lines. The approximate to DOD 4. The loss estimate was produced act end location is Lat 42.53464 Lon -88.4	ssipating about 1,7 maged. The torna rns flattened. Eigl urkeys were killed average path leng d by Walworth Cou	of the intersection '00 feet southeast do crossed CTH B nt wooden power p by tornado debris. th was 60 yards in unty Emergency Ma	of Alden Road and State Line Road, and of the intersection of County Road BB where it dog-legs east of Swamp Angel poles were also snapped, along with WeEnergy Utility reported about 4000 width. The EF1 estimated wind speed anagement. The exact start location is
quickly intensified to EF-1 rating. It mand Zenda Road. Five homes sustain Rd. Collectively, three sheds and two numerous trees and fences. On one homes without electrical power in the of 105 mph was based on DI 2(FR12) Lat 42.49507 Lon -88.56948. The example The Pond Du LAC COUNTY 1.0 SW F	central Walworth County from Illinois about noved northeast for over 5 miles before distinct and damage, with two homes severely date to barns were damaged, with one of the bar farm, 4 cows, and several chickens and to county due to downed power-lines. The approximate to DOD 4. The loss estimate was produced act end location is Lat 42.53464 Lon -88.4	esipating about 1,7 maged. The torna rns flattened. Eiglurkeys were killed average path leng d by Walworth Cou 7970.	of the intersection 700 feet southeast do crossed CTH B nt wooden power p by tornado debris. th was 60 yards in unty Emergency Ma	of Alden Road and State Line Road, and of the intersection of County Road BB where it dog-legs east of Swamp Angel poles were also snapped, along with WeEnergy Utility reported about 4000 width. The EF1 estimated wind speed anagement. The exact start location is
quickly intensified to EF-1 rating. It mand Zenda Road. Five homes sustain Rd. Collectively, three sheds and two numerous trees and fences. On one homes without electrical power in the of 105 mph was based on DI 2(FR12) Lat 42.49507 Lon -88.56948. The example The County 1.0 SW FAME A trained spotter reported 3/4 inch ha	central Walworth County from Illinois about noved northeast for over 5 miles before distinct and damage, with two homes severely date to barns were damaged, with one of the barfarm, 4 cows, and several chickens and to county due to downed power-lines. The action of the loss estimate was produced act end location is Lat 42.53464 Lon -88.4  FOND DU LAC AIRPORT [43.76, -88.50]  11/22/10 15:35 CST  11/22/10 15:35 CST	esipating about 1,7 maged. The torna rns flattened. Eigl urkeys were killed average path leng d by Walworth Cou 7970.  and soft.	of the intersection 00 feet southeast do crossed CTH B nt wooden power p by tornado debris. th was 60 yards in unty Emergency Ma 0 0	of Alden Road and State Line Road, and of the intersection of County Road BB where it dog-legs east of Swamp Angel coles were also snapped, along with WeEnergy Utility reported about 4000 width. The EF1 estimated wind speed anagement. The exact start location is  Hail (0.75 in)  Source: Trained Spotter
quickly intensified to EF-1 rating. It mand Zenda Road. Five homes sustain Rd. Collectively, three sheds and two numerous trees and fences. On one homes without electrical power in the of 105 mph was based on DI 2(FR12) Lat 42.49507 Lon -88.56948. The example The County 1.0 SW FAME A trained spotter reported 3/4 inch ha	central Walworth County from Illinois about noved northeast for over 5 miles before distinct damage, with two homes severely date to barns were damaged, with one of the barfarm, 4 cows, and several chickens and to county due to downed power-lines. The action of the loss estimate was produced act end location is Lat 42.53464 Lon -88.4  FOND DU LAC AIRPORT [43.76, -88.50]  11/22/10 15:35 CST  11/22/10 15:35 CST	esipating about 1,7 maged. The torna rns flattened. Eigl urkeys were killed average path leng d by Walworth Cou 7970.  and soft.	of the intersection 700 feet southeast do crossed CTH B nt wooden power p by tornado debris. Ith was 60 yards in unty Emergency Mi	of Alden Road and State Line Road, and of the intersection of County Road BB where it dog-legs east of Swamp Angel coles were also snapped, along with WeEnergy Utility reported about 4000 width. The EF1 estimated wind speed anagement. The exact start location is  Hail (0.75 in)  Source: Trained Spotter  Tornado (EF0, L: 0.87 mi, W: 125 yd)
quickly intensified to EF-1 rating. It m and Zenda Road. Five homes sustain Rd. Collectively, three sheds and two numerous trees and fences. On one homes without electrical power in the of 105 mph was based on DI 2(FR12) Lat 42.49507 Lon -88.56948. The example The County 1.0 SW FAME A trained spotter reported 3/4 inch ha	central Walworth County from Illinois about noved northeast for over 5 miles before distinct and damage, with two homes severely date to barns were damaged, with one of the barfarm, 4 cows, and several chickens and to county due to downed power-lines. The action of the loss estimate was produced act end location is Lat 42.53464 Lon -88.4  FOND DU LAC AIRPORT [43.76, -88.50]  11/22/10 15:35 CST  11/22/10 15:35 CST	esipating about 1,7 maged. The torna rns flattened. Eigl urkeys were killed average path leng d by Walworth Cou 7970.  and soft.	of the intersection 00 feet southeast do crossed CTH B nt wooden power p by tornado debris. th was 60 yards in unty Emergency Ma 0 0	of Alden Road and State Line Road, and of the intersection of County Road BB where it dog-legs east of Swamp Angel coles were also snapped, along with WeEnergy Utility reported about 4000 width. The EF1 estimated wind speed anagement. The exact start location is  Hail (0.75 in)  Source: Trained Spotter

Page 50 of 52 Printed on: 02/10/2011

Location Date/Time Deaths & Property & Event Type and Details Injuries Crop Dmg

This tornado is a continuation of a segment that started in Kenosha County. It quickly intensified to an EF-1 rating after moving into Racine County. It moved into southern Racine County about 2.3 miles southwest of Union Grove, around 1,700 feet to the east of the intersection of County Line Road and 224th Avenue. The tornado moved northeast before dissipating near the intersection of County Highway K and County Highway H, about 1/2 mile southeast of Franksville. There were no fatalities, but 2 people were injured in storm-related vehicle accidents. Newspaper articles indicated they were hospitalized. Union Grove bore the brunt of the damage. Eleven buildings, fencing, and trees were damaged on the Racine County Fairgrounds. Large oak trees in Old Settler's Park, which is the northwest corner of the Racine County Fairgrounds, were hit hard. Across the street (STH 11), two businesses had large pieces of roof covering peeled off. One of these, Grove Gear, had about 10,000 square feet of it's roof ripped off, which allowed rain to damage the inside offices and equipment. Newspaper articles indicated that damage to Grove Gear alone was about \$1.4 Million. Two other businesses also had roof and siding damage. A residential-care facility had several of its buildings damaged. Around 100 homes in the Village of Union Grove sustained light to moderate damage to roofs, windows, and/or siding, and numerous trees were either uprooted or had large branches broken or snapped. Numerous gas leaks in and around Union Grove were reported. Only one home was extensively damaged and had to be demolished. A semi-trailer truck overturned on Interstate 94 near State Highway 20, blocking the northbound lanes, as the tornado crossed the interstate. Another semi-trailer was blown over on eastbound Highway 20 near the west frontage road next to the interstate. A number of campers were overturned and one was destroyed at the Burlington RV store at the intersection of STH 20 and Interstate-94. WeEnergy Utility estimated that 3200 customers lost electrical power in Racine County. The path of the tornado averaged 75 yards in width. A detailed examination of the tornado path suggests that this tornado consisted of three or four individual vortices, with one taking over as the previous one dissipated. Each vortex had it own path, which resulted in segmented-appearance of the tornado path as shown in the associated image attached to this severe weather episode. Although the header strip for this tornado event indicates a path length of 10.57 miles, a manual map measurement value of 10.67 miles was obtained. The total loss estimate of \$5M was received from Racine County Emergency Management. The EF1 estimated wind speed of 105 mph was based on DI 21(MBS) DOD 3. The exact start location is Lat 42.66995 Lon -88.07447. The exact end location is Lat 42.75586 Lon -87.90231.

An out-of-season round of strong to severe, surface-based, thunderstorms developed in Southeast Wisconsin during the mid-afternoon of November 22nd, which resulted in two tornadoes. This severe weather was related to low pressure lifting northeast from southwestern to central Wisconsin which brought a warm front up into southern Wisconsin. Afternoon temperatures peaked in the lower to mid 60s in the counties of Walworth, Racine, and Kenosha, with dewpoints reaching the mid to upper 50s. Instability with the unseasonable warmth just south of the warm front, with surface based CAPE values between 500 J/kg to 1000 J/kg, allowed for the thunderstorm development. Strong lift associated with the right entrance region of a 50 to 60 knot mid-level jet, strong deep layer shear and steep mid level lapse rates allowed super-cell thunderstorms with rotating updrafts to fire up along and ahead of a cold front trailing south of the low. Strong low-level shear developed just south of the warm front which led to one tornado in Walworth County and the other from far northern Kenosha County into southern Racine County around Union Grove. About 3,000 customers lost electric power due to the tornadoes and accompanying thunderstorms.

Page 51 of 52 Printed on: 02/10/2011

Location Date/Time Deaths & Property & Event Type and Details



Map plots of the two EF-1 tornadoes that occurred in southeast Wisconsin on November 22, 2010. The picture insert on the lower plot shows roof damage to a business on STH 11 on the west side of the city of Union Grove.

Page 52 of 52 Printed on: 02/10/2011